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U. S. DEPARTMENT OF AGRICULTURE
★ MAR 29 1935 ★
U. S. DEPARTMENT OF AGRICULTURE

OLDS & WHIPPLE
INC.
SEEDS AND
FERTILIZERS
HARTFORD, CONN.

1935



168 State Street, Hartford, Conn.

Ship to

Street or R.F.D. **County**

Post Office _____ State _____

Express or Freight Office,
if different from P. O.

AMOUNT } **Money Order** \$..... **Stamps** \$..... } **Check here** ☐
ENCLOSED } **Check** \$..... **Cash** \$..... } **if wanted**
shipped C. O. D.

Olds & Whipple, Inc., give no warranty, express, or implied, as to purity, description, quality, productiveness, or any other matter of any Seeds, Bulbs, or Plants they send out, and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without guarantee.

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· SEEDS ·

FERTILIZERS and

AGRICULTURAL IMPLEMENTS

CATALOG FOR 1935



All Prices Subject to Change Without Notice

OLDS & WHIPPLE, Inc.

FERTILIZER FACTORY:
Tolland Street, East Hartford, Conn.

MAIN OFFICE AND IMPLEMENT WAREHOUSE
164-6-8 State Street, Hartford, Conn.



Offices and
Agricultural
Warerooms at
168 State Street,
Hartford, Conn.



Fertilizer Fac-
tory located on
Tolland Street,
East Hartford,
Conn.

Foreword



We present herewith our catalogue for 1935. This catalogue differs in size and method of presenting our merchandise from previous issues, enabling us in most cases to give more detail description of the seeds and implements offered. We have made no change in the cover design. The tobacco plant is a sort of trade mark of our business, as it still is the outstanding agricultural product of Southern New England.

The seeds we offer are secured from most reliable sources and the implements shown are made by reputable manufacturers and are adapted to New England conditions.

And we call your attention to the important fact that we carry on our shelves thousands of dollars worth of repairs for the machines we sell and employ expert field men who are prepared to render prompt assistance to the farmer during the busy season.

At our fertilizer works located at East Hartford, Conn., we grind and mix fertilizer formulas for all crops, our factory is strictly up to date, equipped with every modern device for efficient and economical production.

Our O&W "Wilcox" brands of mixed fertilizers are well and favorably known throughout New England and Long Island as well.

In addition to mixed goods we sell a complete line of fertilizer raw materials.

Our prices for both mixed goods and raw materials will be found as low as market will allow.

We again wish to express our appreciation to our customers, old and new, for their patronage during the yast year, and we shall endeavor to so conduct our business that we may be worthy of that patronage in the future.

OLDS & WHIPPLE, INC.

Olds & Whipple, Inc.

List of Fertilizers and Raw Materials For 1935

O. & W. SPECIAL FERTILIZERS

Complete Tobacco Fertilizer
Blue Label Tobacco Fertilizer
High Grade Tobacco Starter
High Grade Tobacco Starter and
Potash Compound
Top Dressing and Grass Fertilizer
Market Garden Fertilizer

High Grade Potato and Vegetable
Fertilizer
Potato and General Purpose Fertilizer
Double Strength Fertilizer
Corn Special Fertilizer
Corn and Grain Fertilizer
Lawn Fertilizer

WILCOX FORMULA

Corn Special Fertilizer
Potato and General Purpose

Market Garden Fertilizer
Top Dresser

FERTILIZING MATERIALS

Swift Sure Phosphate
Swift Sure Bone Meal
C.S. Meal guaranteed analysis
Cyanamid—Granular
Castor Pomace guaranteed analysis
Sterilized Ground Stems
High Grade Muriate Potash
High Grade Sulphate Potash
Nitrate of Potash
Carbonate of Potash
Urea
Calurea

Super Phosphate (acid phosphate)
Sulphate of Ammonia
Nitrate of Soda
Sheep Manure
Dry Ground Fish
Tankage
Steamed Bone
Precipitated Bone Phosphate
Lime for Agricultural use
Fine ground Nova Scotia Plaster
Calcium Nitrate
Cotton Boll Ashes

Ammo Phos.

We would call special attention to our market garden and potato fertilizer made with a large part of nitrogen derived from organic sources. A fertilizer made in this way costs more money but we believe the extra cost is justified by increasing yields. The final test of value of a fertilizer is not the price per ton but the crop produced.

We again urge our customers to order their fertilizer at once and allow us to deliver same at an early date and thus avoid the mad scramble that always comes late in the season. There is no good reason for delay.

Our Special Mixtures for All Crops

The following pages give you a list of the special fertilizers which we manufacture at our own factory.

These special mixtures are from tested formulae, proved out by practical growing tests. They are finely ground, and mechanically, is such condition, as to render them readily available to the growing crops.

Their use will repay you. They produce the kind of crops that pay. Used and endorsed by best growers.

Fertilizing Cigar Leaf Tobacco

For Bigger Yields and Better Burning Quality

A good cigar depends upon its burning quality and flavor for its reputation. Leaf tobacco for making a good cigar must be of the best quality, must hold fire well, not burn too fast or too slowly. It must not coal on the cigar and it must leave a clear white or light gray ash, not a muddy ash.

Cigar smokers everywhere are complaining about the quality of the cigar being made today. Manufacturers cannot make good cigars unless they get good tobacco, and that is where the grower comes in.

LEAF WISE

No matter how old a man is, if he is wise, he can still acquire more wisdom. No matter how old a grower is, he can still acquire more wisdom about a tobacco leaf.

The tobacco plant, perhaps more than any other plant, can be and is influenced for better or worse by proper or improper fertilization. In applying fertilizer, the grower must have two essential things in mind: 1, to preserve the productiveness of his soil; and 2, to produce leaf that has the most desirable qualities, namely, BURN — GRAIN — TEXTURE and COLOR. This is a large order, but it can be successfully met by growers carefully studying the right fertilizers to use.

O. & W. Tobacco Fertilizer

To growers who desire a concentrated mixture, we offer this formula made along similar lines as our "Complete" tobacco.

GUARANTEED ANALYSIS

7% Nitrogen
3% Available Phosphoric Acid
7% Actual Potash

O. & W. Complete Tobacco Fertilizer

has been a popular favorite with tobacco growers for years. The various sources of plant food are so blended that the tobacco plant is nourished from transplanting to harvest time.

GUARANTEED ANALYSIS

5% Nitrogen
3% Available Phosphoric Acid
5% Actual Potash

Blue Label Brand Fertilizer

In this brand we use 1000 lbs. of C. S. Meal in each ton. C. S. Meal has long been recognized as a basic ingredient for tobacco fertilizer freeing its plant food as it decomposes in the soil and feeding the plant to maturity.

The phosphoric acid and potash are derived from high grade sources and every precaution is taken to keep out all elements that might react unfavorably on finished leaf.

GUARANTEED ANALYSIS

6% Nitrogen
3% Available Phosphoric Acid
6% Actual Potash

O. & W. High Grade Tobacco Starter

This high grade starter has been used with conspicuous success by some of our best growers in the valley. We recommend that it be applied after the first time hoeing. At that critical stage of growth an abundant supply of quickly available nitrogen enables the plant to get a vigorous start, overcome and grow away from any unfavorable condition that may exist.

Experience has taught us that the crop that grows quickly, vigorously and does not stop until it reaches maturity produces the best goods.

GUARANTEED ANALYSIS

10% Nitrogen
3% Available Phosphoric Acid

O. & W. High Grade Tobacco Starter and Potash Compound

This formula with 5 per cent quickly soluble Nitrogen and 15 per cent actual Potash should be used with C. S. Meal or Castor Pomace in growing the tobacco crop and when so used makes a complete fertilizer. The Nitrogen of C. S. Meal or Pomace is slow acting and on most lands a more quickly soluble form of Nitrogen is needed to start the crop. We recommend using 1000 to 1500 lbs. per acre with a ton of C. S. Meal or Pomace.

GUARANTEED ANALYSIS

5% Nitrogen
4% Available Phosphoric Acid
15% Actual Potash

O. & W. Special Corn Fertilizer

This formula has been tested and tried in the cornfields of Connecticut and Rhode Island and produced excellent crops. It carries a high percentage of available phosphoric acid, necessary to promote hard grain and early maturity. It is also extensively used in market gardening.

GUARANTEED ANALYSIS

3% Nitrogen
10% Available Phosphoric Acid
4% Actual Potash

O. & W. Corn and Grain Fertilizer

This formula carrying a high percentage of Available Phosphoric Acid is recommended for growing corn and grains and works well with a light coat of stable manure furnishing an abundance of Phosphoric Acid, important to the cereal crop.

GUARANTEED ANALYSIS

2% Nitrogen
10% Available Phosphoric Acid
2% Actual Potash

O. & W. Complete Market Garden Fertilizer

This is one of our high grade special mixtures for use on Corn, Potato, Onion Crops, Market Garden and general purpose fertilizer.

The sources of plant food are such as are exceedingly available to the plant and best suited to promoting rapid and vigorous growth. Tested at our own farms we are able to speak authoritatively as to its merits. All growers will be re-paid by using this special mixture on their crop.

Our soils are well adapted to the culture of these crops and to make them profitable as well, is an easy matter if the culture is supplemented and promoted by the use of our special fertilizer.

GUARANTEED ANALYSIS

4% Nitrogen
8% Available Phosphoric Acid
4% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.

O. & W. General Purpose Fertilizer

This formula is similar to our complete market garden fertilizer, and is, as its name implies, a general purpose fertilizer.

GUARANTEED ANALYSIS

3% Nitrogen
8% Available Phosphoric Acid
4% Actual Potash

O. & W. Potato and General Purpose Fertilizer

This formula should be used in growing potatoes. The 4% Nitrogen content makes it practically the same as our 5-(ammonia) 8-7 of previous years and most agronomists agree that this is a proper balance for the potato crop. This formula is also extensively used in market gardening.

GUARANTEED ANALYSIS

4% Nitrogen
8% Available Phosphoric Acid
7% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.

O. & W. High Grade Potato and Vegetable Fertilizer

This is a concentrated mixture running high in analysis in every ingredient, and as a formula is extensively used in the potato growing sections of Maine. To produce large crops of potatoes you must feed heavily of Potash. This was thoroughly proven during the war, as even when Potash was extremely high and scarce some of the Maine potato growers paid the price for this ingredient and were well repaid by increased crop.

GUARANTEED ANALYSIS

5% Nitrogen
8% Available Phosphoric Acid
7% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.

O. & W. Double Strength Fertilizer

A highly concentrated formula used principally in growing potatoes. Should be used at the rate of 1000 to 1200 lbs. per acre, being very careful that fertilizer does not come in contact with seed.

GUARANTEED ANALYSIS

8% Nitrogen
16% Available Phosphoric Acid
14% Actual Potash

O. & W. Top Dressing and Grass Fertilizer

A complete fertilizer with all the essential elements for rapid and luxurious growth, carrying both soluble salts and organic material, it is suitable both for top dressing or permanent seeding down mixture.

GUARANTEED ANALYSIS

8% Nitrogen
6% Available Phosphoric Acid
6% Actual Potash

We are now mixing Wilcox formulae, having 4 years ago purchased the mixed fertilizer business of the Wilcox Fertilizer Co. of Mystic, Conn. Wilcox fertilizers have always enjoyed a good reputation. It is our aim to maintain and enhance that reputation, making only such changes as recent scientific research has proved advantageous.

We offer the following Wilcox formulae:

Wilcox Corn Special

This is an old favorite, moderate in price, made of soluble materials, and producing fine crops.

GUARANTEED ANALYSIS

- 3% Nitrogen
- 10% Available Phosphoric Acid
- 4% Actual Potash

Wilcox Market Garden

This formula is deservedly popular in the great garden section of Newport Island, Eastern Connecticut, Massachusetts and surrounding territory. Produces quick luxuriant growth and early maturity of vegetables.

GUARANTEED ANALYSIS

- 4% Nitrogen
- 8% Available Phosphoric Acid
- 4% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.



Havana Tobacco grown on the O. & W. Complete Tobacco Fertilizer. Farm of Anthony Zukowski, Suffield, Conn.



Broadleaf Tobacco grown on O. & W. Blue Label Tobacco Fertilizer. Farm of William Corbin, Suffield, Conn.

Wilcox Potato and General Purpose Fertilizer

Used extensively in growing potatoes and market garden truck, carrying a high percentage of potash needed in many crops.

GUARANTEED ANALYSIS

- 4% Nitrogen
- 8% Available Phosphoric Acid
- 7% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.

Wilcox High Grade Potato Fertilizer

This formula carrying a high percentage of Nitrogen is a favorite in certain sections and should be used where a deficiency of vine growth has been noted. Also used successfully by market gardeners.

GUARANTEED ANALYSIS

- 5% Nitrogen
- 8% Available Phosphoric Acid
- 7% Actual Potash

This formula can be furnished with extra organic at a slight advance in price.

Wilcox Top Dresser

A standard mixture made of soluble materials for application to grass lands, used either as top dressing or seeding down.

GUARANTEED ANALYSIS

- 8% Nitrogen
- 6% Available Phosphoric Acid
- 6% Actual Potash



More than 100 acres of Potatoes grown on O. & W. Fertilizers by A. E. Fowler, Westfield, Mass.



Broadleaf Tobacco grown on Farm of Paul Usanis, Windsor Locks, Conn. on O. & W. Tobacco Fertilizers.

Important Notice . . . Free Delivery of Seeds

We Deliver, Transportation Paid in the 1st and 2nd Postal Zone, Vegetable Seeds by the packet, ounce, quarter-pound, pound.

On larger quantities purchaser pays transportation.

In making this Free Delivery we reserve the right to ship goods either by Parcel Post, Express or Freight.

We reserve the right to advance prices without notice should current conditions require it.

REMITTANCES

May be made by Express Money Order, P. O. Money Order or Check.

NOTE: — If cash or stamps are sent by mail, REGISTER THE LETTER, otherwise it travels at owner's risk.

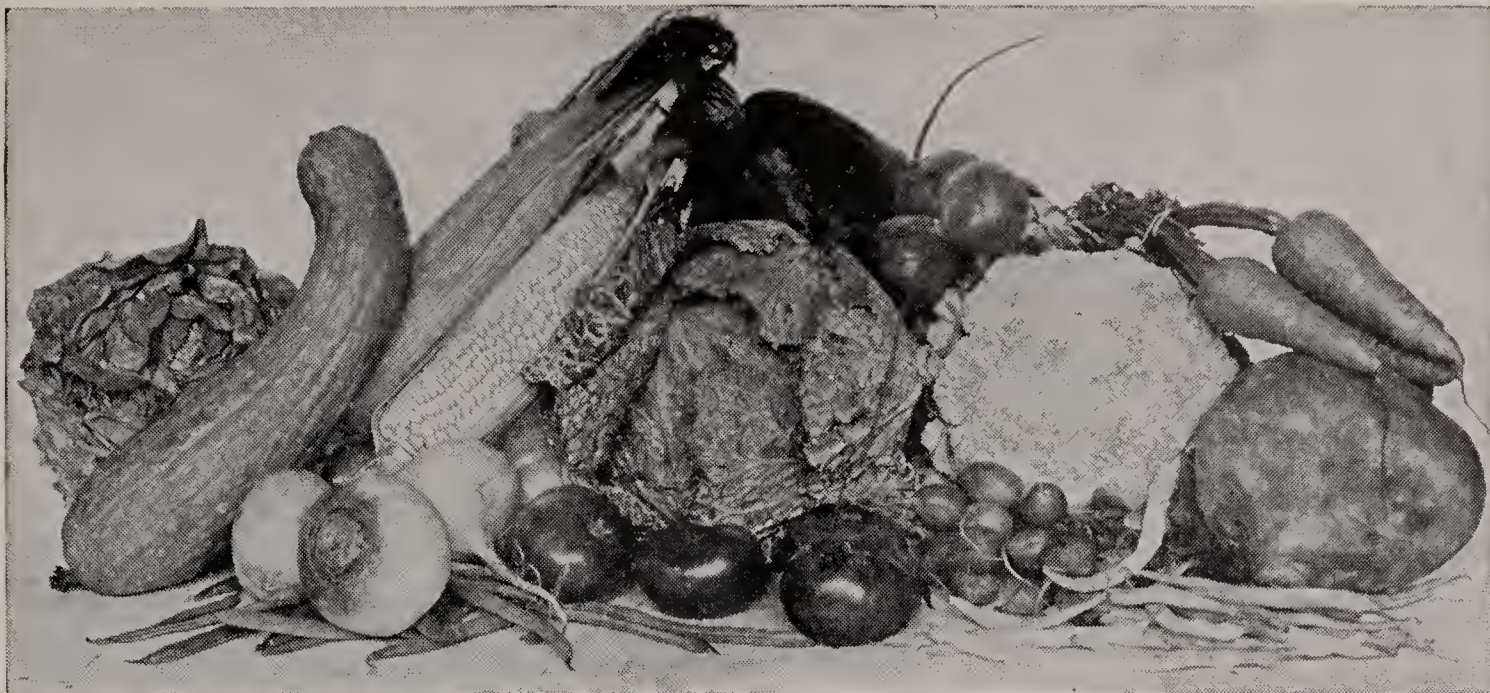
If goods are wanted C.O.D., 25 per cent of the amount must accompany the order. Charges for returning the money will be collected on delivery.

OLDS & WHIPPLE, INC., give no warranty, express or implied, as to purity, description, quality productiveness or any other matter of any seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. When mentioned, purity and germination tests are for information only and without warranty.



Our booth at the Connecticut State Grange Exposition held in conjunction with The National Grange Convention at the State Armory, Hartford, Conn., week of November 2, 1934.

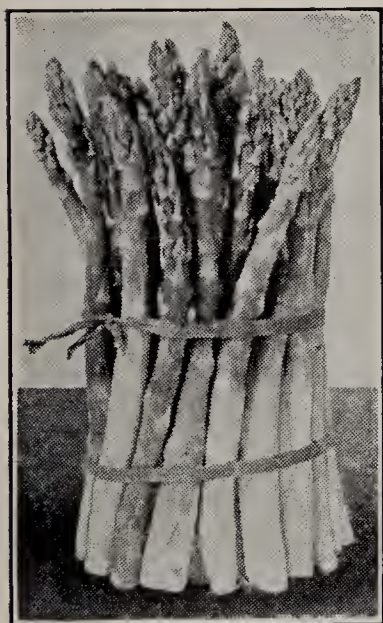
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1935

RELIABLE VEGETABLE SEEDS

for Market and Home Gardens



Asparagus

An Asparagus bed may be made from one or two year old roots, planted in fall or spring. Plant the roots in rows four feet apart, leaving about twelve inches between plants in the row. Should be planted in trenches and gradually filled in as plants grow. Seeds may be sown in April in drills one foot apart and one inch deep, and roots transplanted the following year.

Mary Washington—The latest development of rust resistant asparagus; large stalks with very tight tips of fine quality.

Pkt. 10c Oz. 15c ¼ lb. 30c lb. \$1.00

Mary Washington—Strong one year old roots.

80c for 50 \$1.50 per 100

Bush Beans

Can be planted any time from May 1 (or after danger of frost is past) until August. Plant in rows 2½ to 3 ft. apart and 3 to 4 inches apart in the rows. Cover 1½ in. deep. Cultivate after plants are 6 in. high. 2 lbs. will plant 100 ft. row.

DWARF GREEN PODDED VARIETIES

Burpee's Stringless—An early, sturdy, large plant, very productive. Pods round, medium green, very meaty, and of excellent quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 14c per lb.

Black Valentine—Stringless. Plant is large leaved, erect, prolific. Pods are round, dark green, finest quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 15c lb.

Bountiful—An important early variety. Pods flat, light green, stringless and of good quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 15c lb.

Tendergreen—Desirable for home or market garden. Pods round, fleshy, dark green, stringless, fine quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. at 16c lb.

Low's Champion—Also known as Red Cranberry. Pods deep green, straight, flat, stringless and of good quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. at 16c lb.

Dwarf Horticultural—Pods green at early stage, changing to greenish yellow, splashed with carmine at maturity; semi-round. Used as a shell bean.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. at 16c lb.

Dwarf Green Podded Varieties—Con.

French Dwarf Horticultural—A popular green shell variety. Pods large, exceptionally attractive in appearance. Very good market variety.

1 lb. 35c 2 lbs. 60c 5 lbs. \$1.35
15 to 100 lbs. at 22c lb.

White Kidney—Excellent quality for dry shell use. Seeds long, white, kidney shaped.

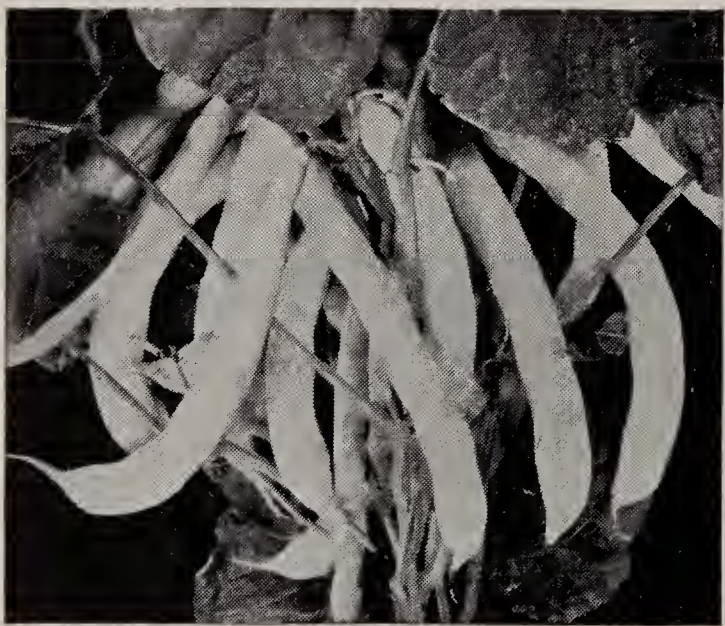
1 lb. 25c 2 lbs. 45c 5 lbs. 90c
15 to 100 lbs. at 12c lb.

White Marrow—Good quality for dry shell beans, excellent for baking. Seeds rather short oval, white.

1 lb. 25c 2 lbs. 45c 5 lbs. 90c
15 to 100 lbs. at 12c lb.

Red Kidney—Fine quality for dry bean use. Pods waxy green color, oval flat. Seeds reddish brown.

1 lb. 25c 2 lbs. 45c 5 lbs. 90c
15 to 100 lbs. at 12c lb.

DWARF WAX PODDED VARIETIES**Improved Golden Wax**

Improved Golden Wax—Used largely for home garden planting. Pods straight, thick flat, creamy yellow in color; stringless, of good quality. Seeds short, oval, white, with mottling of violet and light yellow around eye and ends.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 14c lb.

Pencil Pod Black Wax—An exceedingly desirable variety for home and market garden use. Pods round, slightly curved, fleshy, golden yellow, tender, absolutely stringless.

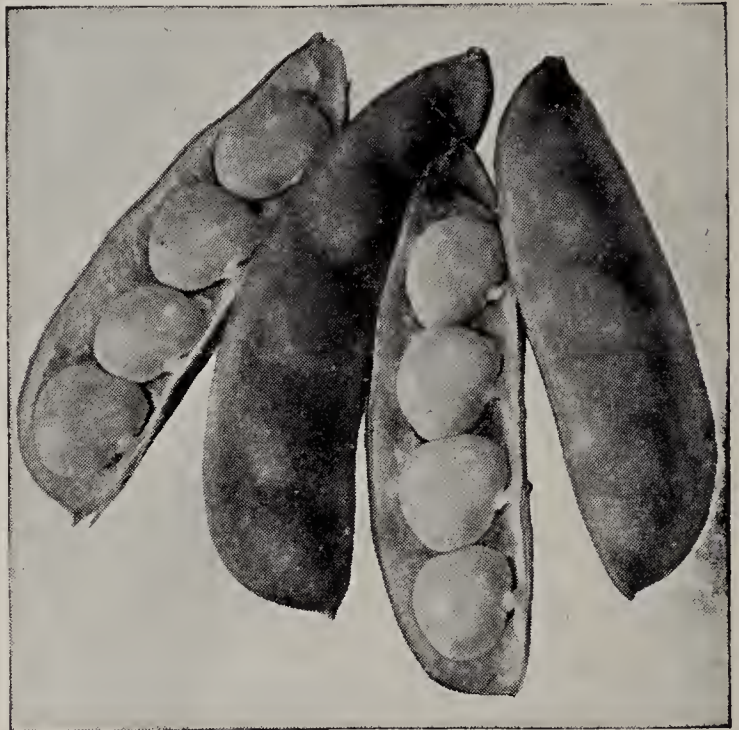
1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 15c lb.

Sure Crop Wax—Sometimes called Bountiful Wax. Particularly desirable for market gardeners. Very productive. Pods golden yellow, thick-flat brittle, strictly stringless. Fine texture and quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. at 14c lb.

Dwarf or Bush Lima

Plant in May after the ground has become warm, in rows 3 ft. apart, with the beans about 12 in. apart in the rows. Cover about 2 in. deep. A second planting may be made in June or early part of July.

**Fordhook Bush Lima**

Burpee's Improved—Large plants, erect, vigorous, very productive; pods contain 4 to 5 seeds.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. at 18c lb.

Fordhook—A very popular market garden variety. Pods straight, with thick fibrous walls, contains 3 to 4 seeds. Beans large, thick oval of excellent quality.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lbs. at 19c lb.

Pole or Running Beans

Plant first part of June in hills 3 feet apart in the row and rows 4 ft. apart. Plant 6 or 8 beans in a circle around the hill with eyes of the seed downward and cover with 1½ in. of soil. When 6 in. high thin to 3 or 4 plants to hill. Fix firmly in the center of each hill a pole 5 to 8 ft. high, and when plants show runners help the vines to start by twining them around the pole from right to left.

Early Leviathan Lima—The earliest large-seeded Lima. Pods very straight, containing 5 to 6 beans.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lb. at 18c lb.

King of the Garden Lima—An improved strain of Large White Lima. Grows tall, vigorous, very productive. Pods flat, smooth with 4 or 5 large beans.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lb. at 18c lb.

Pole or Running Beans—Con.

Mammoth Horticultural King or Worcester—The largest podded and largest seeded of the Horticultural beans. Pods heavily splashed with red.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lb. at 18c lb.

Italian Horticultural—A distinct variety with large, yellow pods heavily splashed with crimson.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lbs. at 20c lb.

Kentucky Wonder—The best known and most popular pole bean. Pods are large and practically round, very brittle.

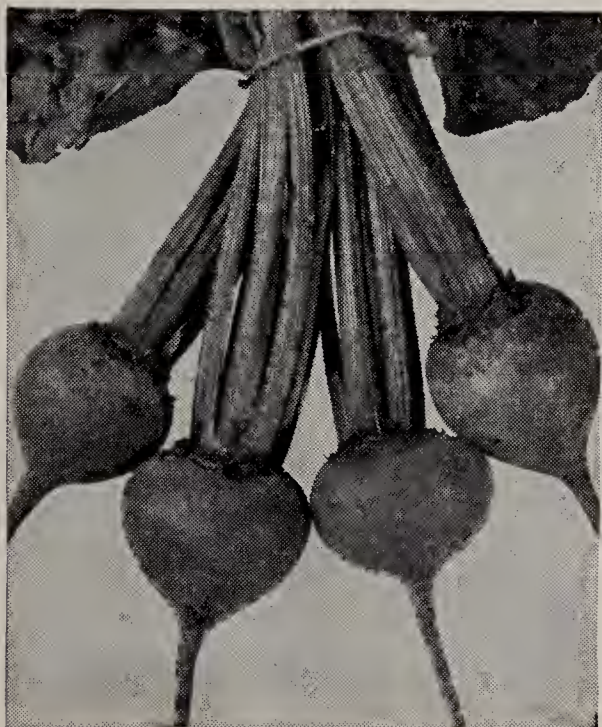
1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lbs. at 18c lb.

Kentucky Wonder Wax—Very popular variety. Good climber, productive. Yellow flat meaty pods, nearly stringless.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.25
15 to 100 lbs. at 18c lb.

Beets

For very early crops, sow in hotbeds and transplant as soon as weather permits. For outdoor crops, sow first part of April in drills about 2 ft. apart, covering seed about 1 inch. Thin the young plants when suitable size for greens to four inches apart. One ounce sows 50 ft. of drill.



Detroit Dark Red

Quantity Discount, 10 lbs. or more 10c lb.

Crosby's Egyptian—An extra early variety for home and market garden use. Roots a flattened globe shape; skin dark red, flesh a trifle lighter.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 85c

Early Wonder—Very popular with market gardeners, globular in shape, with small tap root. Flesh is blood red, tender and of good quality.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 90c

Early Eclipse—Medium sized round, dark red. Interior bright red with whitish zones. Good flavor.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 80c

Dark Red Egyptian—Very early. Tops small and erect. Roots flattish.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Detroit Dark Red—One of the very best sorts for home or market garden. Roots smooth, globe shaped of medium size. Tops small, upright, color deep red.

Pkt. 5c. Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Edman's Early Blood Turnip—A medium early variety. Roots top shaped; dark red of good size.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 80c

Long Smooth Blood—A well known late variety for winter use; tops are large. Roots 10 to 15 inches long.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. 90c

Swiss Chard

Cooked same as spinach and when allowed to grow without cutting has large, flat, wax-like ribs which are cooked and served like asparagus. Sow seed early in spring in drills 18 inches apart.

Giant Lucullus—Desirable for home and market garden use. Leaf color yellowish green, heavily crumpled; stems thick, broad, light green in color.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 90c

Mangel Wurzel

A Highly Valuable Stock Feed. They are easily grown and are unequalled as a milk producing food for winter feeding. Cultivate same as beets. Six to eight pounds will sow an acre.



Mammoth Long Red

Quantity Discount 5 lbs. or more 10c lb.

Mammoth Long Red—The most popular. Roots extremely large, slightly tapering, grow half above ground. Color light red.

Oz. 10c ¼ lb. 20c 1 lb. 60c

Yellow Globe—Large globular formed roots, good for shallow soils.

Oz. 10c ¼ lb. 20c 1 lb. 60c

Giant Half Sugar, Rose—A heavy yielding, valuable variety for feeding. Roots long oval; skin white with rose colored shoulder, flesh white, with good sugar content.

Oz. 10c ¼ lb. 20c 1 lb. 60c

Mangel Wurzel—Con.

Golden Tankard—A half-long variety of bright yellow color. Very productive.

Oz. 10c ¼ lb. 20c 1 lb. 60c

White Sugar Beet—An attractive heavy yielding variety used largely for stock feeding. Has high sugar content.

Oz. 10c ¼ lb. 20c 1 lb. 60c

Broccoli

A vegetable resembling cauliflower in many respects and requires the same culture, but is much quicker and easier to grow.

Early Green Italian or Calabrese—A leading variety. A tall branching plant forms a central head of bluish green flower buds. After the main head is removed side branches continue to develop throughout the season, and frequently form small heads, which, with the stems, are cut and served the same as Asparagus.

Pkt. 10c Oz. 45c ¼ lb. \$1.50 1 lb. \$5.00

Italian Broccoli Rape or Senaps—Distinct from other Broccolis. The turnip-like leaves are used for greens as well as the small flower heads. Can be sown in autumn for a spring crop.

Pkt. 10c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Purple Cape—Large, compact, purple head, leaves crinkled, dark green, for home garden use.

Pkt. 10c Oz. 45c ¼ lb. \$1.50 1 lb. \$5.00

White Cape—A medium late variety, with large creamy white, firm head. Leaves are dark green.

Pkt. 20c Oz. 65c ¼ lb. \$2.00 1 lb. \$7.00

Brussels Sprouts

A member of the cabbage family and cultivated in about the same manner. One ounce of seed will produce about 1000 plants.

Olds & Whipple's Best.

Pkt. 10c Oz. 35c ¼ lb. \$1.00

Cabbage

EARLY VARIETIES

For early crop sow in hotbeds in February or March ½ inch deep and prick out plants into cold frames to harden. When danger of frost is over set out plants in the open in rows 2½ feet apart and 2 feet apart in the row.

Golden Acre—An extra early Copenhagen type with small round solid heads. Plants are dwarf with few outer leaves.

Pkt. 5c Oz. 30c ¼ lb. \$1.00 1 lb. \$3.75

Copenhagen Market—Splendid for the early market. Plant small, compact, allowing very close planting; stem short, head uniformly round, proving valuable as early kraut variety.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.75

Early Jersey Wakefield—An extensively used early variety, with small compact conical heads about 7 inches long. Used largely by market gardeners.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Early Flat Dutch—Splendid for home or market garden. Heads almost ball-shaped, firm and of high quality.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

INTERMEDIATE VARIETIES

Early Summer—A quick heading second early variety of excellent quality. Medium sized heads, solid and compact.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

All Seasons—Good general purpose cabbage, widely used for kraut, thrifty in hot, dry weather. Large heads.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50



Premium Flat Dutch

LATE VARIETIES

O. & W. Premium Flat Dutch—An extra fine selection. Excellent for home or market garden use. Heads extremely large, flat, and solid. A good keeper.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Stonemason—A distinct short stemmed variety with few, well-rounded leaves. Heads large, nearly round, very solid and of good flavor.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Surehead—A variety of the late flat Dutch type. Medium long stem, a dependable header. Heads large, hard, round, somewhat flattened.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Danish Ball Head or Hollander—Most widely used type of late cabbage. Heads deep round, very hard, flavor good, desirable for kraut, keeps perfectly in storage until spring.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Cabbage—Late Varieties—Con.

Mammoth Red Rock—The largest and best red cabbage. Heads round, to slightly flattened globe shape, very hard, deep purplish red. An excellent keeper.

Pkt. 5c Oz. 25c $\frac{1}{4}$ lb. 75c 1 lb. \$2.75

Red Drumhead—Deep red color, solid heads, excellent for pickling.

Pkt. 5c Oz. 25c $\frac{1}{4}$ lb. 75c 1 lb. \$2.75



Improved American Savoy

Improved American Savoy—The best of the Savoy group for home use or market. Leaves blistered, stems short. Heads flattened globe shape; large, firm, interior leaves crumpled, attractive light yellow.

Pkt. 5c Oz. 35c $\frac{1}{4}$ lb. \$1.25 1 lb. \$4.00

Chinese or Celery Cabbage

A species of cabbage from China.

Chihili—Early and dependable in heading. Tall and slender.

Pkt. 10c Oz. 25c $\frac{1}{4}$ lb. 75c 1 lb. \$2.50

Wong Bok—Select strain. An early dwarf variety with large compact heads.

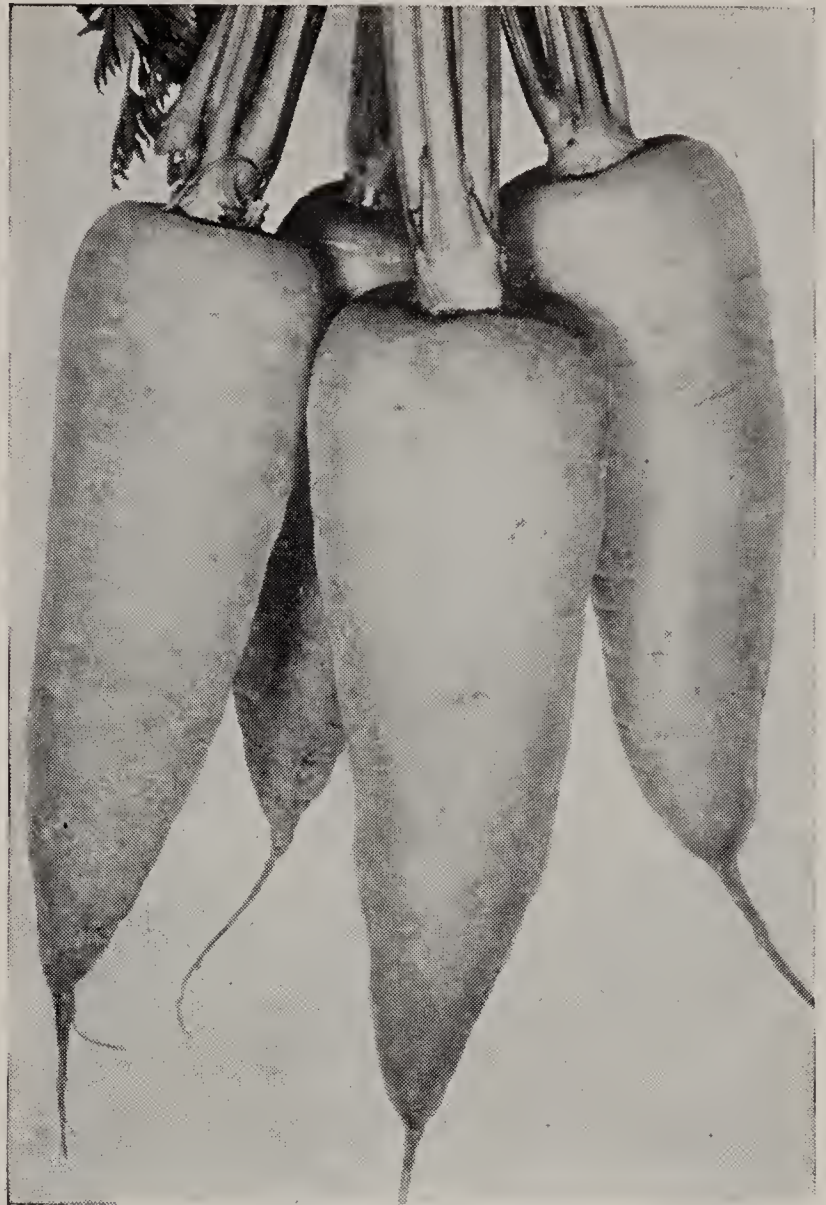
Pkt. 10c Oz. 25c $\frac{1}{4}$ lb. 75c 1 lb. \$2.50

Carrots

Thrive best in rather light loam; soil should be well cultivated and fertilized. Plant seed in rows 14 inches apart, and thin plants to 2 or 3 inches in the rows. Plant from the middle of April to the middle of June. One ounce will sow 100 feet of drill, 3 to 4 pounds per acre.

Half-Long Nantes—Also known as coreless. Half-long, well shaped and uniform roots, exceptionally fine flavor, fine grained, tender, and practically coreless.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 50c 1 lb. \$1.50



Danvers Half Long

Quantity Discount, 5 lbs. or more, 10c lb.

Half-Long Chantenay—Early and productive, stump rooted. Rich orange in color, which is well retained when the carrots are cooked. Desirable for home and market garden.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 40c 1 lb. \$1.25

Danvers Half-Long—A favorite late carrot of great uniformity. Fine grained, tender, bright orange flesh, rich in flavor and very sweet.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 40c 1 lb. \$1.25

Hutchinson—Very prolific. Roots deep orange with greenish shoulder, nearly cylindrical, ending in abrupt stump end; flesh deep orange. Tender and of good quality.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 50c 1 lb. \$1.50

Improved Long Orange—A very large, late maturing table carrot which gives a tremendous yield on good deep soil. Roots are long and tapering with smooth skin and deep orange flesh. Valuable for stock feeding.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c 1 lb. 90c

White Belgian—Used exclusively for stock feeding purposes, grows partly out of ground; skin green above ground, white below. Flesh white with tinge of cream color.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 30c 1 lb. 75c

Cauliflower

Is one of the most delicious varieties of the Cabbage family. Requires a rich deep soil. For an early crop, start the seed indoors dur-

Cauliflower—Con.

ing March and set into the open by the end of April. For a main or fall crop sow the seed during June and plant out the latter part of July. Cultivate thoroughly and frequently. When heads begin to form, bunch the leaves together and tie loosely to protect them from the sun.



Early Snowball—The best and most widely used early variety. Plants dwarf, with short pale green leaves. Heads medium, firm, compact, solid, pure white, and of finest quality.

Pkt. 15c ¼ oz. 60c ½ oz. \$1.00 Oz. \$1.75
¼ lb. \$6.00 1 lb. \$22.00

Erfurt Early Dwarf—Large heads of uniform size, having a closely formed, very smooth, pure white curd of finest flavor.

Pkt. 15c ¼ oz. 50c ½ oz. 85c Oz. \$1.50
¼ lb. \$5.50 1 lb. \$20.00

Early Paris—A standard early variety, having large white compact heads.

Pkt. 10c ¼ oz. 45c ½ oz. 75c Oz. \$1.25
¼ lb. \$4.00 1 lb. \$12.00

Danish Giant or Dry Weather—Well adapted to dry weather conditions, later than Early Snowball and of larger growth. Heads creamy white, and of excellent quality.

Pkt. 15c ¼ oz. 60c ½ oz. \$1.10 Oz. \$2.00
¼ lb. \$6.50 1 lb. \$24.00

Celery

Sow seed about the first of April in hot-bed or cold frame. Transplant four inches apart when three inches high in rich soil; water and protect until well rooted, then transplant into rows 3 feet apart either on surface or in trenches about 8 inches deep. Set the plants 4 to 5 inches apart, or for extra large stalks 6 to 8 inches. To blanch draw earth around the plants from time to time, this is continued until only the top leaves remain uncovered.



Paris Golden, Self Blanching (French)—One of the best market garden varieties. Also desirable for the home garden, the stalks are of a rich golden yellow color and of delicious flavor. Self blanching to a wonderful degree.

Pkt. 10c Oz. 60c ¼ lb. \$2.25 1 lb. \$8.00

Boston Market—Excellent fall variety for market garden use. Stalks of medium height form a cluster of heads, tender, crisp, with exceptionally mild flavor; blanches readily to creamy yellow.

Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$4.00

White Plume—An extra early attractive variety, leaves bright green tinged with white; stalks medium, easily blanched to pure white; solid, crisp and of good quality.

Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$4.00

Golden Plume—Also called wonderful. Some gardeners consider it the best early variety. Resembles Golden Self Blanching but earlier. Medium height with compact, full heads, blanches readily to golden yellow; excellent quality.

Pkt. 10c Oz. 60c ¼ lb. \$2.25 1 lb. \$8.00

Winter Queen—A medium dwarf winter variety. Stalks light green, broad, solid and crisp; blanches to a creamy white.

Pkt. 5c Oz. 25c ¼ lb. 85c 1 lb. \$3.00

Giant Pascal—A late variety for winter use. Plants large, stocky, with dark green leaves. Stalks long, broad, and solid; blanches to yellow-white of excellent, nutty flavor.

Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$4.00

Easy Blanching—A second early variety, excellent for home or market garden. Vigorous and compact in habit of growth, it blanches readily to attractive white, and is a good keeper. Stalks are thick, solid, and of good flavor.

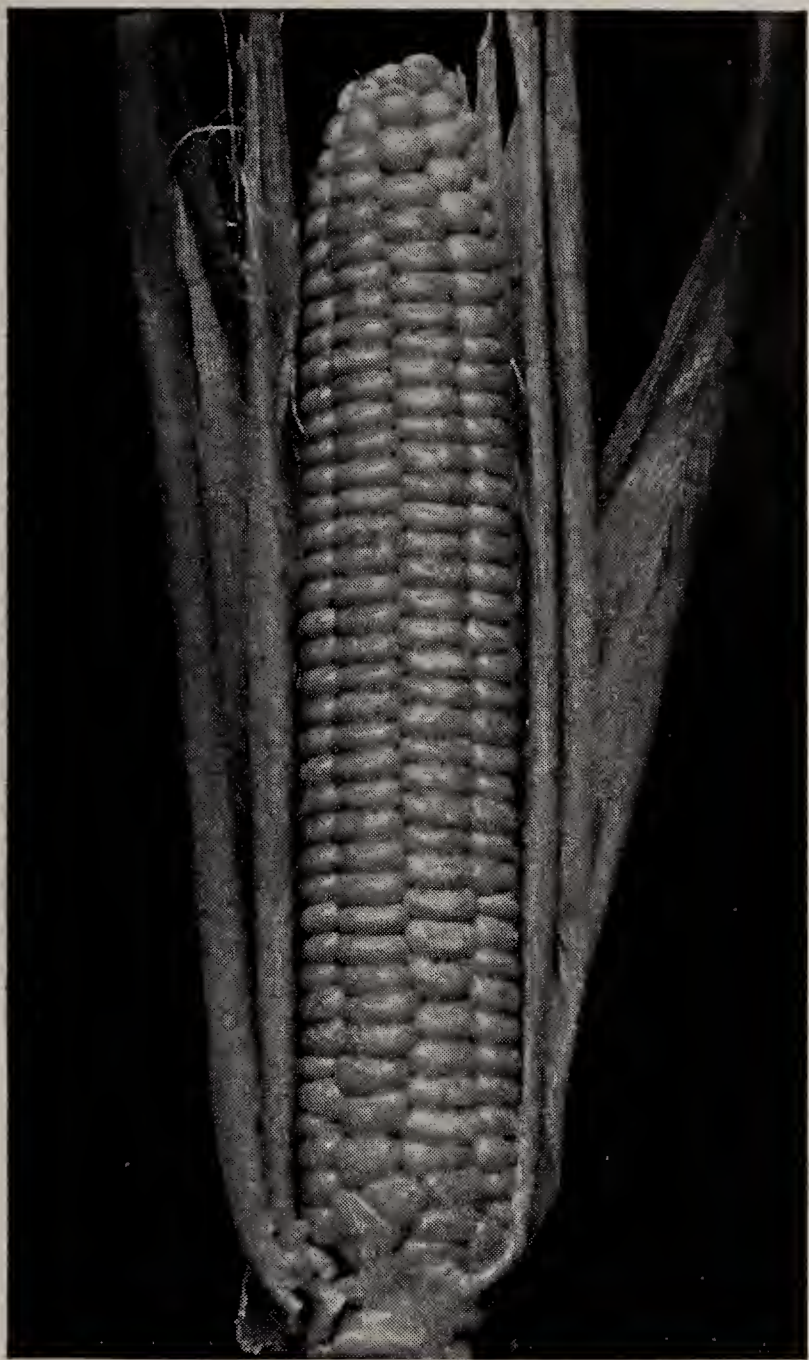
Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$4.00

Celeriac

Giant Smooth Prague—Known also as turnip-rooted celery. Plants dark green with hollow stalks. Roots smooth, spherical, 2 to 3 inches in diameter, used for flavoring.

Pkt. 5c Oz. 25c ¼ lb. 85c 1 lb. \$3.00

Corn



Field Varieties (At Market Prices)

Early Canada Flint—The earliest 8 rowed yellow corn. Medium sized grain, with a small cob.

Early Yellow Dent (Conn. Grown)—Good sized ears and matures in this latitude. Can be used for ensilage. Stalk not as large as most varieties.

Eureka—For ensilage only. Grows a mammoth stalk from 12 to 14 feet high with an abundance of foliage, and we believe will produce more tons of ensilage than any other variety.

Golden Nugget, Early Yellow Flint—Heavy in stalk, foliage and grain. Ears are eight rowed and 10 to 12 inches long.

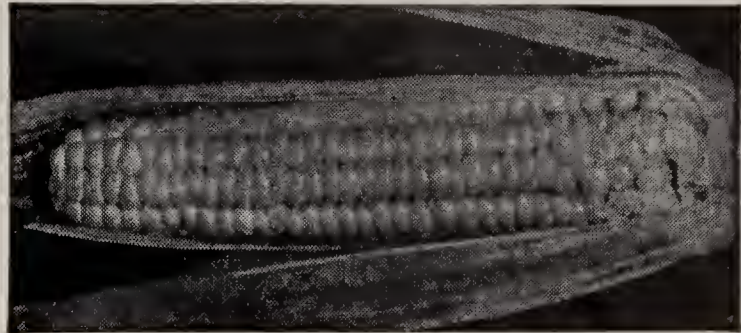
Improved Leaming—A favorite in the dairying districts and well adapted to the average season. Stalks grow 8 to 12 ft. high with ears 9 to 11 inches long.

Longfellow, Yellow Flint—A well and favorably known variety, large, long ears.

West Branch Sweepstakes—Noted for earliness, productiveness and its adaptation to soil and climate. Stalks grow 10 to 12 ft. high with heavy foliage. Ears are large, averaging 12 inches in length, containing 14 to 20 rows of red, white capped and yellow tinged grains.

SWEET VARIETIES

Requires a rich warm soil. For early varieties plant when ground has become well warmed, successive plantings may be continued until July. Plant in hills about 3 ft. apart. One quart will plant 200 hills.



Golden Bantam

EARLY VARIETIES

Extra Early Golden—The earliest yellow variety, 10 days earlier than Golden Bantam. Kernels golden yellow, tender, and of good flavor. Very prolific for so early a variety.
1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Golden Sunshine—An early yellow variety with good sized ear, desirable for market garden use. Week earlier than Golden Bantam.
1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Columbia—Earliest white variety. Very desirable for the early market. Good sized ears.
1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Kingscrot Golden Bantam—Earlier than ordinary Golden Bantam. It is especially adapted to market gardening because all the ears are ready to pick at the same time. Disease resistant.
1 lb. 65c 5 lbs. \$3.00 15 to 100 lbs. at 50c lb.

Golden Bantam—The best known and most used of all the yellow varieties. Ears 8 rowed, kernels broad, with tender hull, sweet, and of exceptionally fine flavor. Widely used by market and home gardeners.
1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Golden Cross Bantam—Few days later than Golden Bantam, has 10 to 12 rowed ears, of superior quality. Stalks are stout and leafy and yield more than ordinary varieties. One of the outstanding hybrids from inbred strains for uniformity and resistance to Stewart's disease.
1 lb. 65c 5 lbs. \$3.00 15 to 100 lbs. at 50c lb.

Whipple's Yellow—One of the best early yellow varieties for home and market garden, maturing a few days later than Golden Bantam, with larger ears.
1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

INTERMEDIATE VARIETIES

Whipple's White—An excellent mid-season variety with deep kernel. Stalks strong and erect, commonly bearing two ears, very sweet and tender.

1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Corn—Intermediate Varieties—Con.

Golden Giant—The result of crossing Golden Bantam and Howling Mob; ears are large, kernels golden yellow, of good quality.

1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

Howling Mob—A popular second early white variety with large ears of excellent quality.

1 lb. 30c 5 lbs. \$1.25 15 to 100 lbs. at 18c lb.

Black Mexican—Popular for home and market garden use. Ears 8 rowed. Kernels tender, very sweet, white at eating stage, changing to blue-black at maturity.

1 lb. 35c 5 lbs. \$1.25 15 to 100 lbs. at 20c lb.

LATE VARIETIES

Bantam Evergreen—A cross of Golden Bantam and Evergreen having Evergreen type of ear with 14 to 18 rows. Kernels rich, golden yellow, sweet and of first quality.

1 lb. 35c 5 lbs. \$1.35 15 to 100 lbs. at 22c lb.

Evergreen—This is the old standard white variety for home and market gardens. Stalks 7 to 8 ft. Ears 8 in. long with 16 or more rows of the finest, large, sweet kernels.

1 lb. 35c 5 lbs. \$1.50 15 to 100 lbs. at 25c lb.

Mammoth Sugar—A late, large eared type, popular with market gardeners. Ears 12 to 16 rows. Kernels snowy white and of good flavor.

1 lb. 35c 5 lbs. \$1.50 15 to 100 lbs. at 25c lb.

Long Island Beauty—The largest eared variety. Similar to Mammoth Sugar, but with larger coarser ear 14 to 16 rowed. Very popular where extremely large ears are desired.

1 lb. 35c 5 lbs. \$1.50 15 to 100 lbs. at 25c lb.

FOR BEST RESULTS USE O. & W.
CORN FERTILIZER



*Protect
Your
Seed Corn*

During the period when it is most easily damaged, by ridding your crop of crows and other corn-pulling birds and animals. It saves loss of seed and labor of replanting. It positively will not clog any planter. It is non-poisonous and will not injure the seed or any kind of corn. It is more effective, more convenient to use, and more economical than any other material.

(1 Quart) Enough for 4 bushels seed.	\$1.75
(1 Pint) Enough for 2 bushels seed.	1.00
(1/2 Pint) Enough for 1 bushel seed.	.60



**Stanley's CROW
REPELLENT**

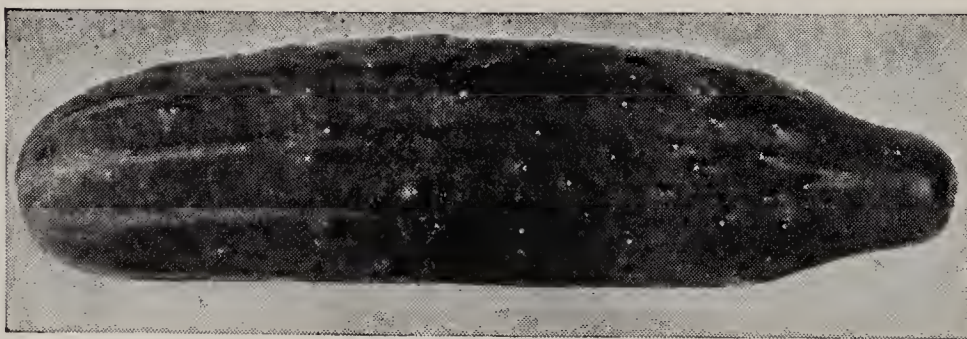
Cress

A desirable salad and garnishing plant. Should be sown thickly in drills, on good rich ground, in early spring.

Pkt. 5c Oz. 15c 1 lb. 75c

Curled—A hardy, quick growing annual, having finely curled, deep green foliage, with pleasing pungent flavor; used for garnishing.

Cucumber



Improved Long Green

To have the earliest cucumbers, start seeds in pots, small paper boxes or berry baskets in a warm place and transplant as soon as weather permits. For general crop plant seeds during May when ground is dry and warm in hills about 4 ft. apart; thin out to three or four plants to the hill when well established. For pickles plant the middle of June.

Early Cluster—A fine pickling variety. Very early, bears clusters of two and three. If kept gathered will continue to bear through a long season.

Pkt. 5c Oz. 20c 1/4 lb. 60c 1 lb. \$2.25

Snow Pickling—Early, prolific and very popular, deep green, black spined variety.

Pkt. 5c Oz. 20c 1/4 lb. 60c 1 lb. \$2.25

Green Prolific—One of the best early cucumbers grown principally for pickling, dark green and of fine quality.

Pkt. 5c Oz. 20c 1/4 lb. 60c 1 lb. \$2.25

Boston Pickling—Similar to Green Prolific. Excellent pickling variety, medium green, slightly tapered.

Pkt. 5c Oz. 20c 1/4 lb. 60c 1 lb. \$2.25

Cucumbers—Con.

Improved Early White Spine — Popular among older early sorts, very good for home garden use. Uniform good size and color.

Pkt. 5c Oz. 20c ¼ lb. 55c 1 lb. \$2.00

Early Fortune—An excellent table sort and grown extensively by market gardeners. Vigorous plants produce an enormous crop of dark green white spined cucumbers.

Pkt. 5c Oz. 20c ¼ lb. 55c 1 lb. \$2.00

Davis Perfect—A popular slicing variety. Deep dark green with white spines. Solid flesh of excellent quality. Small seed cavity.

Pkt. 5c Oz. 20c ¼ lb. 55c 1 lb. \$2.00

Longfellow—A variety suited to outdoor or greenhouse culture. Very large and extremely dark green over entire surface and holds its color after pickling. White spined.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.75

Improved Long Green—Standard late large black spined variety for home garden; excellent for slicing; hardy and prolific, deep green, straight, slightly tapered.

Pkt. 5c Oz. 20c ¼ lb. 65c 1 lb. \$2.50

Dandelion

Sow in drills 12 inches apart, covering seeds about one-half inch deep and thin plants to 4 inches apart in rows. One ounce will plant 100 feet of drill, one pound to the acre.

Improved Thick-Leaved—A highly desirable variety with thick broad leaves. Very productive.

Pkt. 10c Oz. 45c ¼ lb. \$1.50 1 lb. \$5.50

French Garden—Low growing type, early and hardy; closely formed center and fairly large, cut leaves.

Pkt. 10c Oz. 25c ¼ lb. 85c 1 lb. \$3.00

Dill

Used for Flavoring Pickles or as a Condiment

Long Island Mammoth—Grows 2 to 2½ ft. high, with finely cut leaves. Seeds flat and have a strong flavor.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 75c

Egg Plant

Requires 4 to 6 weeks to produce plants for field setting. Seed should be sown in hotbed during March and when 2 or 3 inches high plants should be transplanted to pots. Set out in open ground during May in rows 3 feet apart, leaving 2 feet between plants.



Improved New York Purple—The leading variety for home and market gardeners. Very productive of large smooth, broad oval, black-purple, glossy fruits. Very uniform.

Pkt. 10c Oz. 40c ¼ lb. \$1.25 1 lb. \$4.00

Black Beauty—The earliest of all large fruited Egg Plants. The large egg-shaped purplish black fruits are smooth. And hold well after picking.

Pkt. 10c Oz. 40c ¼ lb. \$1.25 1 lb. \$4.00

Endive

For early use, sow as soon as ground can be worked in spring in drills fifteen inches apart, thin plants to six inches in the row. Any ordinary soil will do, but a moist place is preferred. To blanch the leaves, gather them together when dry and tie with matting or cover with ordinary flower pots inverted. One ounce will produce about 3000 plants.



Green Curled

Batavian Full Hearted (Escarolle)—An improved strain of Batavian Broad Leaved, having larger leaf, broader, thicker head and earlier in maturity.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.25

Green Curled—Leaves are curled giving plants a feathery appearance. Color rich green. Very desirable for salads.

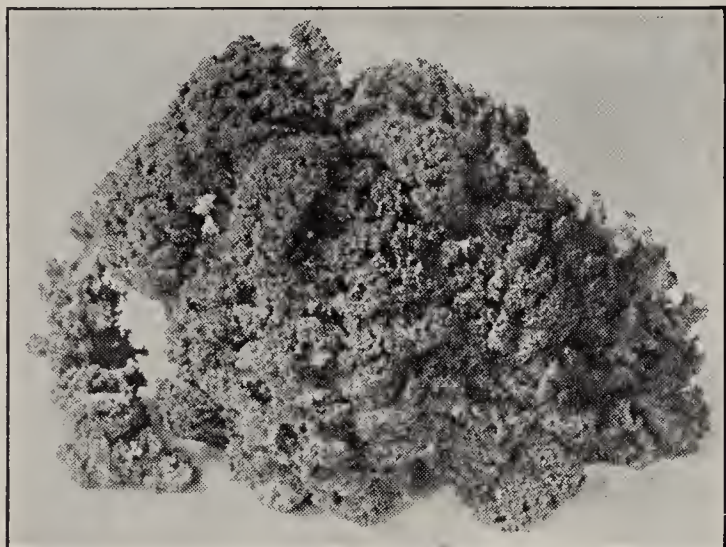
Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.25

Moss Curled—Grows more compact than green curled, leaf stems often tinged purple; blanches creamy white.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.25

Kale

Plant the larger varieties in hills two by three feet apart and thin to one plant to the hill. Requires deep, rich soil. Set out plants in June and treat in same manner as for cabbage. One ounce will produce 2000 plants.



Green Curled Scotch Dwarf—Hardier than cabbage, standing almost zero temperature and is improved by frost. Plants grow about a foot high. Leaves are deep green.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Green Curled Scotch Tall—Plants of this variety grow to a height of two or three feet. Color, etc., similar to dwarf.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Siberian (German Greens)—A very vigorous spreading variety; leaves are large, plain in center, cut and frilled at edges; color a bluish green.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 85c

Kohl Rabi

An intermediate vegetable between the cabbage and turnip. Prepare as for cabbage. Sow in April in rows 18 inches apart and thin out to 8 inches apart in the row. One ounce gives 3000 plants.

White Vienna—An early dwarf variety, suitable for home or market garden. Color light green; flesh clear white.

Pkt. 5c Oz. 20c ¼ lb. 65c 1 lb. \$2.25

Purple Vienna—Similar to White Vienna except in color.

Pkt. 5c Oz. 20c ¼ lb. 65c 1 lb. \$2.25

Leek

Sow in April in drills 1 inch deep and 1 foot apart. When 6 or 8 inches high trim off tops and transplant in rows 10 inches apart each way. Plant as deep as possible. When hoeing, earth up to blanch the necks.



Large American Flag—A very popular early variety, strong growing, stems rather thick, large medium green leaves, the gardener's favorite.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.50

Lettuce

Lettuce needs a rich and moist soil, should be sown in rows about 12 inches apart and the plants thinned to ten inches apart for the heading varieties. When not grown for head they may be sown broadcast. The more rapid the growth, the better the quality. One ounce for 3000 plants.

HEADING VARIETIES



Big Boston

Big Boston—A very popular variety for cold frame forcing or open culture, medium size compact heads. Leaves are wavy at edges tinged reddish brown.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Crisp as Ice or Hartford Bronze Head—Very popular home garden variety. Compact medium size heads. Leaves are thick and crumpled; green overlaid with dark brown, slow to start to seed, stands hot weather.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Lettuce—Heading Varieties—Con.

Hanson—A good summer lettuce. Makes a large, solid, compact crisp head. Leaves are large and very broad, light green color. Very reliable.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Iceberg—A large, late variety. Heads are compact, with whitish interior, crisp and sweet. Leaves light green with a touch of brown on edges. Different from New York variety which is sometimes called "Iceberg" by growers.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

May King—An early variety for greenhouse forcing or outside planting. Small compact heads, with yellow interior. Leaves yellowish green, tinged with brown at edges. Fine flavor and quality.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

New York No. 12—Commonly sold in our markets as "Iceberg" but is of a different type. A very large, late variety, having a solid head with few outer leaves.

Pkt. 5c Oz. 20c ¼ lb. 60c 1 lb. \$2.00

Tennis Ball (black seeded)—Also called Salamander. Very popular medium early variety. Medium sized round, firm heads of very good quality. Broad medium green crumpled leaves.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

White Boston—Similar to white seeded Big Boston. Leaves are slightly lighter green and have no brown tint. Stands heat very well.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

LOOSE LEAVED VARIETIES

Black Seeded Simpson—One of the best, early loose heading varieties. Leaves are broad, blistered, crumpled, and excessively frilled on edges. Color yellowish green

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

Simpson's Early Curled (also called Early Curled Silesia)—An early, hardy variety with large crumpled, frilled leaves, light green color, very tender. White seed.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

Prize Head—One of the best varieties for broadcast cultivation. Color light brown on a medium green base, leaves crumpled and frilled at edges. White seed.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

Cos or Romaine

Belongs to the lettuce family but leaves are much thicker with a brittle midrib. Sometimes called celery lettuce

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.50

Mustard

Sow from April to June in drills one foot apart and cover seed lightly.

White or English—Used principally for salads. Leaves may be boiled and used as greens.

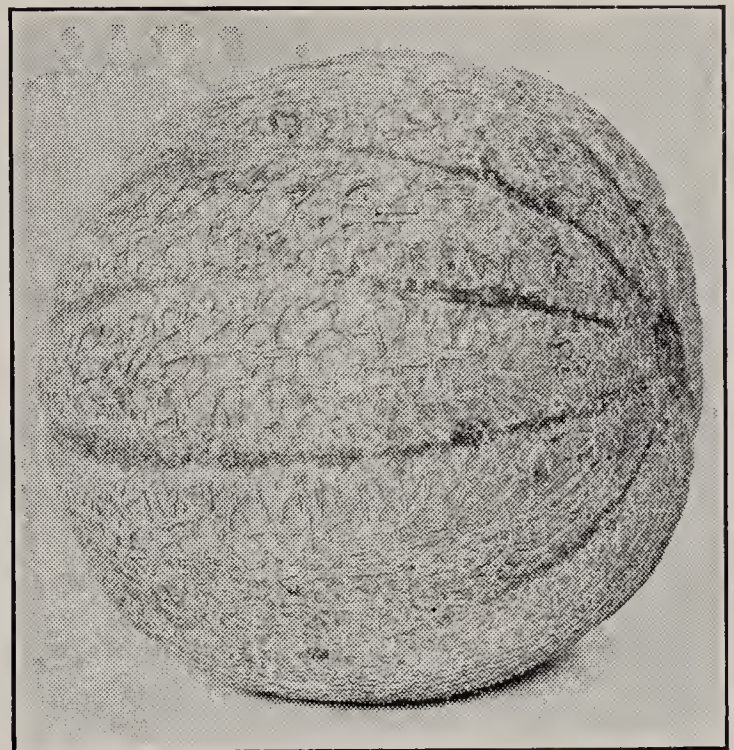
Pkt. 5c Oz. 10c ¼ lb. 20c 1 lb. 45c

Giant Curled—Very hardy and most popular for greens. Large wide, bright green leaves, curly on edges.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Muskmelons

The most suitable soil for melons is rich, warm sandy loam. Plant early in May in hills 4 to 6 feet apart, placing 8 to 10 seeds in each hill. When all danger of insects has passed thin to 4 plants per hill.



Benders Surprise

Benders Surprise—One of the best. A large delicious, distinctly ribbed, oblong variety with full rounded ends. Bright salmon colored flesh of sweet flavor.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.25

Delicious—A very desirable early strain of Benders Surprise. Slightly smaller and earlier.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Emerald Gem—A very popular early home garden variety. Deep emerald green color turning yellowish at maturity, globular, distinctly netted; flesh very thick with small seed cavity.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.25

Hackensack—A large somewhat flattened prominent ribbed type with little netting. Thick juicy green flesh.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.25

Hearts of Gold—A medium sized round, heavily netted melon of very good quality with thick orange flesh.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.25

Muskmelons—Con.

Honey Rock—A very popular new large round, coarse netted melon. Thick orange-salmon flesh. Very sweet and juicy.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c 1 lb. \$1.25

Osage or Miller's Cream—A medium size, home garden variety. Dark green skin sparsely netted and ribbed. Thick fine grained salmon flesh of a very good flavor.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c 1 lb. \$1.25

Lake Champlain—A very early salmon fleshed medium sized melon.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c 1 lb. \$1.25

Rocky Ford or Netted Gem—One of the most widely known of all cantaloupes. A small nearly round, heavily netted variety. Flesh is green with a gold tinge at center. Very thick and of fine flavor.

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c 1 lb. \$1.25

Nasturtium

Cultivated for both use and ornament. Young seeds may be used as capers and leaves for salad purposes. The beautiful flowers, blooming freely all summer add a charm to the garden and lawn. Plant in May.



A specially prepared blend of the proper proportions of the various colors to make the most beautiful display.

—Dwarf or Tall Mixed

Pkt. 5c Oz. 15c $\frac{1}{4}$ lb. 35c

Okra or Gumbo

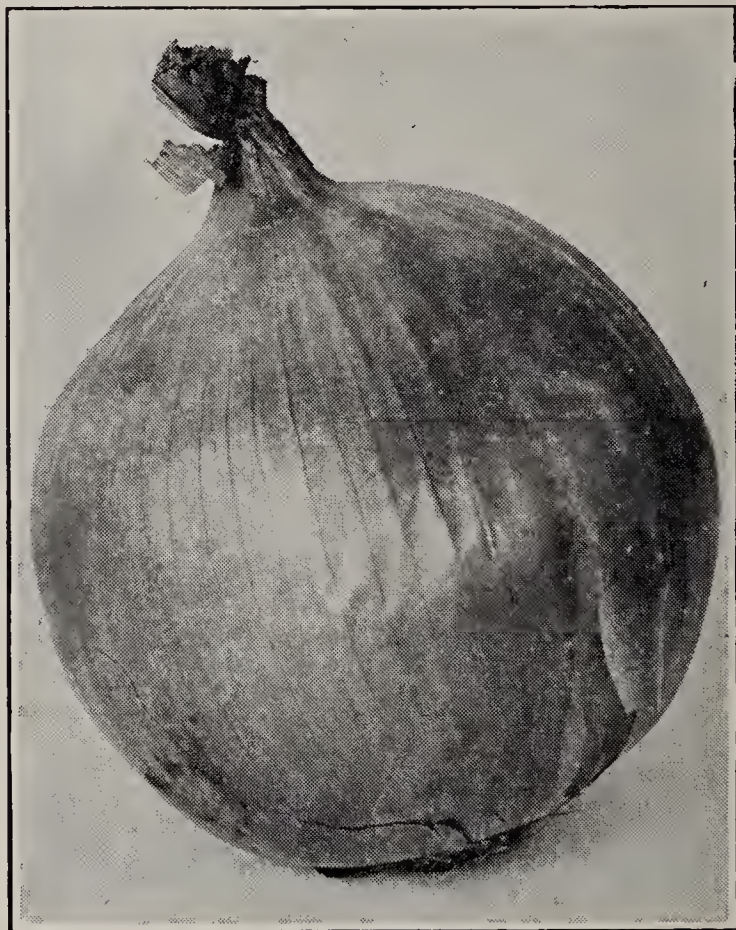
Sow thickly in drills 2 ft. apart and thin plants to a foot apart in the row. For winter use, when young slice into narrow pieces, string and hang in shade to dry, or may be pickled like cucumbers.

Dwarf Green—Early and productive. Pods are tender and are borne throughout the season.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 50c

Onion

The onion thrives best in deep, loamy soil, well fertilized. Sow the seeds thinly in drills 1 foot apart. Cover seeds about $\frac{1}{4}$ inch, roll and tread soil down solidly. When 3 inches high, thin out to 3 inches apart. Cultivate well and keep out weeds. One ounce seed will sow 100 feet of drill. Six pounds to one acre.



Yellow Globe

Wethersfield Large Red—One of the oldest and best known varieties. A large, flat bottom onion with sloping top. Very attractive in appearance. Smooth red outer skin. Flesh firm, very fine grain tinged with pink, strong flavor. Very productive and a good keeper.

Pkt. 5c Oz. 25c $\frac{1}{4}$ lb. 75c 1 lb. \$2.75

Southport Red Globe—A very popular variety of good size, perfectly round, with small neck, deep red outer skin. White flesh, pink tinge, good flavor.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.00

Southport White Globe—The best white variety. Very attractive. Medium size, pure white. Thin delicate skin. Flesh fine grained, crisp, and mild.

Pkt. 5c Oz. 35c $\frac{1}{4}$ lb. \$1.10 1 lb. \$3.50

Onion—Con.

White Portugal or Silverskin—An all purpose variety. Bulbs medium size, hard, thick-flat, clear white, good flavor. Excellent for pickling.

Pkt. 5c Oz. 30c ¼ lb. \$1.00 1 lb. \$3.00

Southport Yellow Globe—A standard late variety of good keeping quality. Large, solid golden brown, globe shaped bulbs, having a small neck and a heavy thick skin. White, mild, crisp flesh.

Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$3.75

Prize Taker—Very productive. Bulbs large, globular, skin thin, lighter shade of yellow than Southport Yellow Globe; flesh coarse but mild and sweet.

Pkt. 5c Oz. 30c ¼ lb. \$1.00 1 lb. \$3.00

Yellow Globe Danvers—A popular strain of Yellow Globe, earlier than Southport. Bulbs are medium large, skin is light yellow; flesh white with faint tinge of yellow.

Pkt. 5c Oz. 35c ¼ lb. \$1.20 1 lb. \$3.75

Japanese or Ebenezer—Medium size, thick skin, firm, dark yellow, deep flat, medium size bulbs. An excellent variety for producing sets, which grow to a large size.

Pkt. 5c Oz. 25c ¼ lb. 75c 1 lb. \$2.25

Onion Sets

Should be planted as early as the ground can be worked in rows 12 inches apart. Set each about 3 inches apart. When onions are grown from sets they can be used in the green state in June, or will ripen by July.



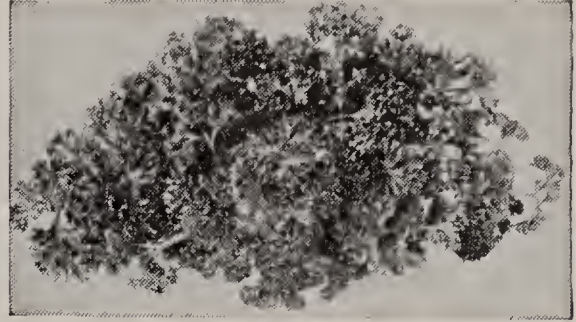
Ebenezer or Japanese—Have light, golden brown skin with pure white flesh.

1 lb. 35c 4 lbs. \$1.20 8 lbs. \$1.75

Ask for prices on larger quantities

Parsley

Sow early in spring in drills 1 foot apart, covering lightly; thin out the plants to 3 to 4 inches apart; used for flavoring and garnishing. A single row forms a good edging for flower-beds or walks.



Double Curled—An attractive dwarf variety, with finely curled, moss like leaves of bright green color. Excellent for garnishing.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 90c

Hamburg—(Turnip Rooted.) Edible roots, resemble small parsnips. Extensively used for flavoring soups and stews. Leaves plain, deeply cut.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 90c

Moss Curled—A vigorous growing, compact, very productive variety. Finely cut, thickly curled, leaves are of a very dark green color, excellent for home and market garden.

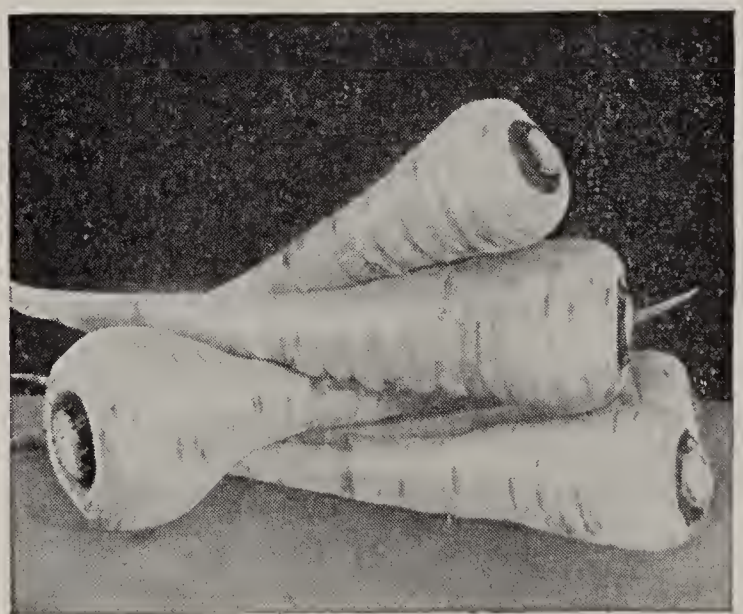
Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 90c

Plain or Single—Also known as Hardy Italian. Used largely for seasoning, not so attractive for garnishing. Large, plain, dark green, flat, deeply cut leaves.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 85c

Parsnip

Make the soil very fine and plant the seed very early, in rows eighteen inches apart, thinning plants to three or five inches in the rows, seeds should be covered about one-half inch deep. Parsnips, aside from table use, have great value for stock-feeding purposes. Are improved by allowing to remain in open ground through the winter. One ounce to 150 feet of drill; five pounds for one acre.



Ideal Hollow Crown—Attractive medium-long smooth white roots. Tender and of fine flavor. Very free from side roots.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 85c

Long Smooth White—A wonderful cropper. Roots 12 to 15 inches long, 2½ to 3 inches thick at shoulder. A hardy variety, grown largely for stock.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 85c

Peas

The wrinkled varieties, while the sweetest of all peas, are more liable to rot, being tender, and need to be planted thicker and later than the round, hard sorts. Soil needs to be well fertilized. Have the dwarf varieties in rows two and one-half feet apart; those kinds growing two or three feet high, in rows three feet apart, and the tallest in rows four feet apart. The smooth varieties may be sown as soon as ground can be worked; the wrinkled sorts when soil is well warmed. One quart to 100 feet of drill; one and one-half bushels to an acre.



Suttons Excelsior

SMOOTH ROUND SEEDED VARIETIES

Alaska—A very early variety, slender light green vines from 2 to 2½ feet high. Pods contain 6 to 8 small bluish green peas.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. @ 16c lb.

East Hartford Extra Early—An extra early variety growing 2½ ft. tall. The vines are very productive, carrying an abundance of well-filled pods containing small luscious peas.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.00
15 to 100 lbs. @ 16c lb.

WRINKLED SEEDED VARIETIES

Dwarf Alderman—(Improved Dwarf Telephone.) A late larger podded productive sort. Very popular home and market garden variety.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.20
15 to 100 lbs. @ 18c lb.

Gradus—(Worlds Record Strain.) Popular variety, growing about 2½ ft. tall and bearing an enormous crop of nearly straight pods 3½ to 4 inches in length containing 6 to 8 large peas of a very good flavor, can be planted nearly as early as the smooth varieties.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.20
15 to 100 lbs. @ 18c lb.

Hundredfold—One of the best known early dwarf large podded sorts. Very prolific and attractive. Popular with home and market gardeners because it bears a heavy crop of excellent quality.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.20
15 to 100 lbs. @ 17c lb.

Suttons Excelsior—An Improvement of Nott's Excelsior, with large pods and greater productiveness. Height 16 inches.

1 lb. 30c 2 lbs. 55c 5 lbs. \$1.20
15 to 100 lbs. @ 18c lb.

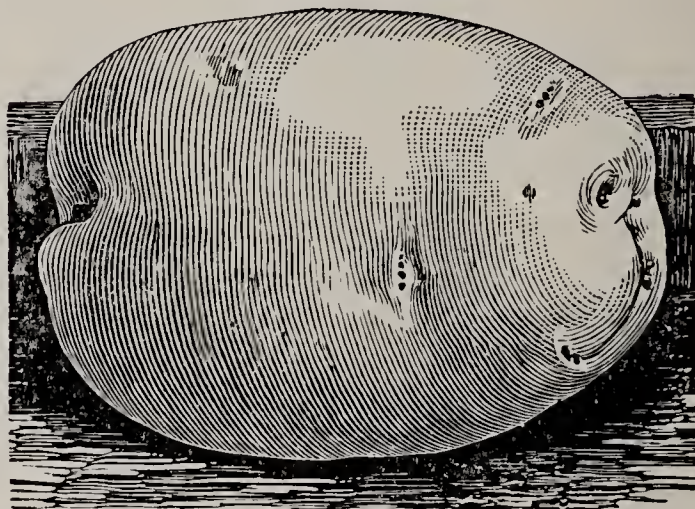
Telephone Tall—A giant podded, mid-season variety. Vines 4½ to 5 ft., color dark green. Immensely productive and of the finest quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. @ 16c lb.

Thomas Laxton—A popular medium early variety. Vines 2½ to 3 feet, medium dark green with dark green pods 3½ in. long containing 7 to 8 large, tender peas of very good quality.

1 lb. 30c 2 lbs. 50c 5 lbs. \$1.10
15 to 100 lbs. @ 17c lb.

Potatoes



NORTHERN GROWN CERTIFIED SEED POTATOES

We repeat what we have said so many times before.—Don't waste labor and fertilizer on poor seed. Get the best. Your cost per bushel is based on the number of bushels you raise per acre. Keep your own costs down by raising more bushels per acre, and this can be done by planting Northern Grown Certified Seed.

Seed from the North comes to you with a vigor which your home grown seed does not possess. This fact is recognized by successful potato growers.

We sell certified seed and we select our seed from farms that have produced full crops, that show a low disease count, and finally are stored, handled and shipped by men whose business is seed and have pride in their product. Did you ever think 1935 may be a good year to raise potatoes?

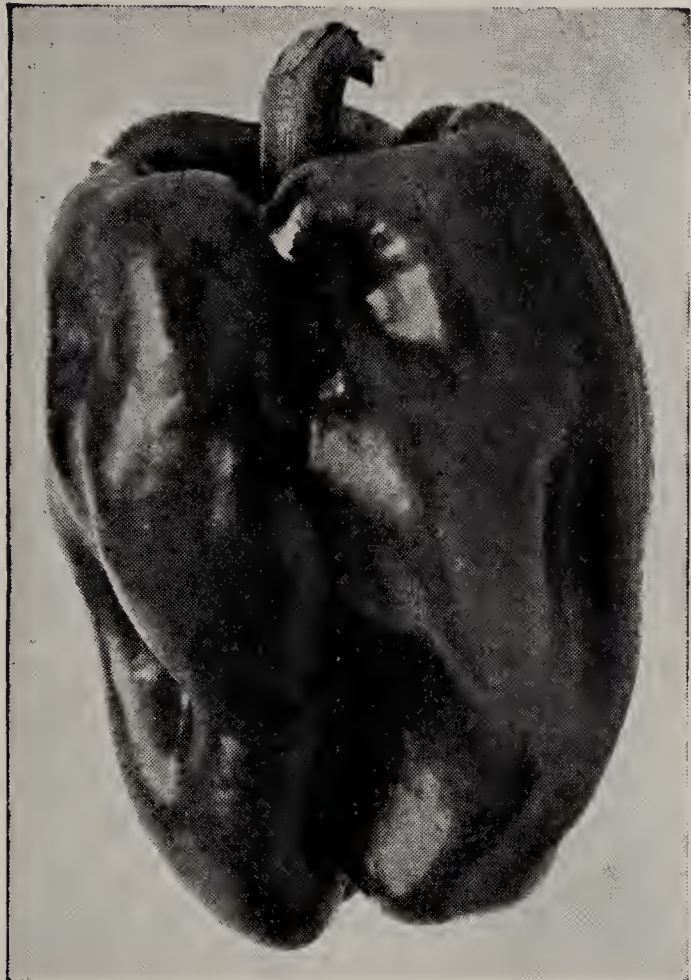
The extreme low prices that prevail at the time this is written, in the opinion of most of us, will be reflected in a reduced acreage and a reasonable expectation is a fair price for the 1935 crop.



An average of 400 bu. per acre grown on O. & W. High Grade Potato Fertilizer on the farm of Mrs. Anna Norige, Forbes Street, East Hartford.

Peppers

Should be started in hotbeds, and transplanted into open ground by end of May; set in rows eighteen inches apart and plants about twelve inches apart in the rows. One ounce of seed will produce about 3000 plants.



Ruby King

Bull Nose or Large Bell—A standard early sweet variety. Plants small and erect. Fruits 3 to 3½ inches long and 3 inches thick. Deep green changing to scarlet red; mild flavor.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

Bull Nose Hot—A popular medium sized hot variety.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

California Wonder—One of the finest mild flavored early large varieties. Crisp, tender and sweet. Original color dark green, changing to crimson when ripe.

Pkt. 5c Oz. 50c ¼ lb. \$1.65 1 lb. \$6.00

Chinese Giant—An extra large mid-season variety. Very mild and sweet. Plant grows 2 ft. high. Fruit is about 4½ in. long. 4 to 5 inches in diameter.

Pkt. 5c Oz. 40c ¼ lb. \$1.50 1 lb. \$5.00

Harris Early Giant—A large early sweet variety. Plants very productive, bearing 12 to 14 fruits, resembles Bull Nose.

Pkt. 5c Oz. 40c ¼ lb. \$1.30 1 lb. \$4.50

Large Red Cherry—A smooth, round, hot sort. Very productive. Popular for use in pickles.

Pkt. 5c Oz. 40c ¼ lb. \$1.40 1 lb. \$5.00

Large Squash—A thick flesh early hot variety.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

Long Red Cayenne—A favorite early hot sort, used principally for canning. Conical shaped 3½ to 4½ inches long, 1 inch through, deep green changing to bright red.

Pkt. 5c Oz. 40c ¼ lb. \$1.40 1 lb. \$5.00

Neapolitan—(Sweet Italian.) A very early, medium large sweet variety. Fruits yellowish green, becoming bright red.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

Ruby King—A large, early, sweet favorite for home or market garden. Thick flesh, deep green, becoming red when ripe.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

Sweet Mountain—Another large medium early thick fleshed, sweet sort, very productive.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

World Beater—A cross between Chinese Giant and Ruby King. Very popular with market gardeners. Flesh thick, mild and very sweet.

Pkt. 5c Oz. 35c ¼ lb. \$1.25 1 lb. \$4.00

Pumpkin

Sow in good soil the latter part of May when ground has become warm, in hills 8 ft. apart each way. Cover seed about 1 inch. May be sown in fields with corn by dropping 2 or 3 seeds in every fourth hill.



Small Yellow Sugar—A small round early sort, extensively grown by home and market gardeners. Fruits 8 to 10 inches in diameter, weighing 6 to 8 lbs. Smooth, deep orange skin; flesh yellow orange. Best for pies.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 85c

Large Cheese—Shaped flat like a cheese box. Grow large, weighing 9 to 10 lbs. Very popular with market gardeners. Flesh yellow, very thick, and of fine quality.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. 85c

Connecticut Yellow Field—A large, smooth, hard surface, slightly oval variety. Used extensively for canning, popular for pies, and excellent for stock feeding.

Pkt. 5c Oz. 15c ¼ lb. 25c 1 lb. 75c

Radish



For early use sow in spring as soon as ground can be worked. Sow in drills six to ten inches apart and thin out to one inch apart in the rows, as the roots are more tender and brittle when grown quickly, a rich light soil is preferred. For a succession sow every two weeks. One ounce will sow 100 feet of drill; eight pounds for an acre.

Quantity discount 5 lbs. or more 10c lb.

Early Deep Scarlet—One of the very earliest round forcing varieties. Bright scarlet skin, white crispy flesh.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Early Scarlet Turnip—A standard early round sort. Red with small white tip. Crisp and mild. Popular for forcing or outdoor culture.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Early Scarlet Globe—Equally valuable for outdoor planting or forcing under glass. Globe shaped. Skin bright scarlet. Flesh white, tender and fine quality.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 65c

French Breakfast—An early rich scarlet white tipped, oblong variety. Develops best under glass, but does well in outdoor culture.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Giant White Stuttgart—A popular summer and fall variety. Smooth, white top shaped roots 3 to 4 inches in diameter.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 85c

Rose China—A popular winter sort. Roots 4 to 5 inches long, 2 inches in diameter at shoulder. Skin is deep rose red color. Flesh white, firm and pungent.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 80c

Round Black Spanish—A round winter variety somewhat top-shaped, 3 to 4 inches in diameter. Skin black, flesh white. An excellent keeper.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 85c

Long Black Spanish—One of the best keeping winter varieties. Roots 7 to 9 inches long, 2 to 2½ inches in diameter. Skin very dark purple, almost black, somewhat wrinkled. Flesh is white, solid and pungent.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 80c

Long White Icicle—Pure white roots, 5 to 5½ inches long and 1 inch thick, tapering at the tip. Suitable for forcing or outdoor culture. Mild flavor.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 80c

White Turnip—The earliest white variety. Small turnip shaped roots. Clear white throughout. Tender.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Rhubarb

Propagate from roots in richly prepared soil. Plants should be set five feet apart.

Victoria Giant—A very prolific sort with straight stalks of crimson color and delicious flavor. Excellent for pies, preserving, etc.

25c a root.

Special price in large quantities.

Salsify or Vegetable Oyster

Sow early in spring in light rich soil in drills fourteen inches apart and thin out to three inches apart in the row. The roots will be ready for use in October. When cooked the flavor resembles the oyster.

Sandwich Island Mammoth—This variety grows to an unusually large size. Roots 6 to 8 inches long, 1½ inches thick, tapering.

Pkt. 5c Oz. 20c ¼ lb. 60c 1 lb. \$2.00

Spinach

For very early spring use sow in August, for summer use sow in early spring, in drills about ten or twelve inches apart, covering the seed one inch deep. To obtain a succession sow at intervals of two weeks through the season. One ounce to 100 feet of drill, 10 pounds to one acre.

Savoy Leaved Reselected—(Dark Green.) A popular quick growing variety for spring or fall sowing, runs to seed quickly in summer. Extra dark thick leaves, finely curled.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 22c lb. 25 lbs. @ 20c lb.

Savoy Leaved Long Standing—Improved savoy type, best for late spring and summer sowing. Only a few days later than reselected savoy, it stands a week or more longer before going to seed.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 22c lb. 25 lbs. @ 20c lb.

Savoy Leaved Blight Resisting—A very special strain, developed for blight resistance. Vigorous plants and very hardy. Best variety for fall planting and to winter over. Runs to seed quickly if sown at other seasons.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 24c lb. 25 lbs. @ 22c lb.

Old Dominion—A cross between Savoy Leaved Blight Resisting and King of Denmark. New Long Standing variety for summer sowing.

Oz. 10c ¼ lb. 20c ½ lb. 30c 1 lb. 45c
5 to 15 lbs. @ 30c lb. 25 lbs @ 27c lb.

Nobel Giant—(Giant Thick Leaved.) A popular viroflay type. Plants very vigorous and spreading with large thick, smooth, deep green leaves.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 24c lb. 25 lbs. @ 22c lb.

Spinach—Con.

Large Viroflay Reselected—One of the best mid-season market garden varieties. Large vigorous growing plants with long, broad, thick, smooth leaves.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 22c lb. 25 lbs. @ 20c lb.

King of Denmark—Exceptionally long standing variety. Large, slow growing plants with broad, rounded, dark green leaves, somewhat blistered. Excellent for spring planting.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 24c lb. 25 lbs. @ 22c lb.

Princess Juliana—Improved long season summer spinach. Compact plants with large, thick, crumpled, rounded leaves. Fine for home and market gardens.

Oz. 10c ¼ lb. 15c ½ lb. 25c 1 lb. 40c
5 to 15 lbs. @ 24c lb. 25 lbs. @ 22c lb.

New Zealand—A distinct variety, thrives on most any soil in hot, dry weather. Large spreading plants, with small, broad, pointed leaves. The tender leafy shoots may be picked repeatedly throughout the summer.

Oz. 10c ¼ lb. 20c 1 lb. 60c
5 to 15 lbs. @ 50c lb. 25 lbs. @ 45c lb.

Squash

Requires rich, warm soil. Plant in hills nine to ten feet apart for running varieties, and five or six feet apart for bush sorts. Leave two or three plants to a hill. Cultivate frequently. One ounce will sow twenty to forty hills; two to four lbs. per acre.



Summer Crookneck

SUMMER VARIETIES

Cocozelle or Italian Vegetable Marrow. (Bush.) Very attractive, dark green marbled with yellow and lighter green stripes. Grows 18 to 20 inches long and 4 inches in diameter if left to mature. Best if picked when 5 or 6 inches in length.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.30

Early White Bush Scallop—Early creamy white, scallop shaped squash with light green flesh. Vines very prolific, bear continuously.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.00

Early Summer Crookneck—Very prolific. Extensively used by home and market gardeners. Warty orange yellow skin with thick light yellow flesh.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.00

Giant Summer Crookneck—Similar to the early variety, but much later and grows larger.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.00

Giant Summer Straightneck—A new sort. Selected from Crookneck varieties. Most popular with market gardeners. Its superiority lies in its straightness which permits easy packing.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.30



Hubbard

WINTER VARIETIES

Blue Hubbard—Bluish gray skin. Bright yellow, thick, fine grained flesh of good quality. A good keeper.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Golden Hubbard—Earlier than other Hubbard varieties. Fruits slightly smaller. Skin is a light golden yellow and warty. Flesh deep golden yellow.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.30

Improved Green Hubbard—The most popular home and market garden sort. Pointed at both ends. Tough, deep, green skin slightly warty. Flesh orange yellow, very thick, fine grained.

Pkt. 5c Oz. 15c ¼ lb. 40c 1 lb. \$1.25

Boston Marrow—A popular, late fall variety. Resembling Hubbard in size and shape. Hard, deep orange skin somewhat rough with thick yellow flesh.

Pkt. 5c Oz. 15c ¼ lb. 35c 1 lb. \$1.00

Golden Delicious—Fruits top-shaped. Color bright orange, with green tip. Flesh, golden orange, sweet and dry.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Mammoth Chili—Largest of all varieties, growing upwards of 100 lbs. Skin mottled deep orange and yellow. Flesh thick, stringy and coarse. Grown for stock feeding and exhibition purposes.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Table Queen—An excellent table variety. Small acorn shaped fruits with thin dark green shell and light yellow flesh. Bakes dry and sweet.

Pkt. 5c Oz. 15c ¼ lb. 45c 1 lb. \$1.50

Tomato

Sow the seed in March or April in hot bed. Transplant when plants are five inches high to open ground, after danger from frost has passed. Should be set four feet apart each way, on mounds of earth, to allow foliage to open and sun to reach the fruit.



Ponderosa

EARLY VARIETIES

Bonny Best—A general purpose variety, valuable for forcing, bear in clusters. Medium sized, smooth, bright scarlet red, flattened globe-shaped fruits.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.50

Earliana—An extra bright red, medium sized tomato. Nearly round, fleshy and solid. Popular with home and market gardeners.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.50

MAIN CROP VARIETIES

Acme—A popular medium sized variety, slightly oval with purplish pink skin and deep scarlet flesh. Vines are large. Bear in clusters continuously.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.50

Dwarf Champion—Plant of dwarf tree type, with very dark green leaves. Can be planted closer together. Medium size, nearly round, purplish-pink, solid fruits.

Pkt. 5c Oz. 40c $\frac{1}{4}$ lb. \$1.40 1 lb. \$4.50

Marglobe—A heavy producer of medium sized, smooth, deep globe shaped, bright red fruits. Popular with market gardeners.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.50

Ponderosa—Largest purplish-pink variety grown. Fruits somewhat flat with very thick, solid flesh, and a small seed cavity. Delightful mild flavor.

Pkt. 5c Oz. 40c $\frac{1}{4}$ lb. \$1.35 1 lb. \$4.50

Pritchard—A scarlet, self-topping disease-resistant variety developed by Dr. F. T. Pritchard of the U. S. Dept. of Agriculture. Fruits are large, smooth, globular shaped, with solid, thick walls. Color a bright scarlet. Valuable for market garden use.

Pkt. 5c Oz. 35c $\frac{1}{4}$ lb. \$1.25 1 lb. \$4.00

Stone—One of the best table varieties. Somewhat flattened, solid, smooth, medium sized fruits. Vines grow large and are very productive.

Pkt. 5c Oz. 30c $\frac{1}{4}$ lb. \$1.00 1 lb. \$3.50

Yellow Plum—Used for preserves. Small yellow fruits about 2 inches long and 1 inch thick, shaped like a plum.

Pkt. 5c Oz. 50c $\frac{1}{4}$ lb. \$1.75

Turnip

For early varieties sow as soon as the ground can be worked in spring. For fall and winter use, seed should be sown from the middle of July to middle of August, seed generally sown broadcast, using one pound to the acre.



Purple Top Strap Leaf

Quantity discount 5 lbs. or more 10c lb.

WHITE FLESHED VARIETIES

Cow Horn or Long White—Grown largely for stock feeding. Roots 12 to 15 inches long. White with light green top. Flesh tender and flavor mild.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 65c

Early Purple Top Milan—A very early variety. Good for forcing, as well as garden cultivation. Roots medium size, very flat with small tap root.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 25c 1 lb. 75c

Early White Flat Dutch—Small erect strap leaved tops. Roots flat, $1\frac{1}{2}$ inches in depth, fine grained, very sweet and tender.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 65c

Purple Top Strap Leaf—A medium early home and market garden variety. Roots white with purple tops, flat, about 5 inches across.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 65c

Purple Top White Globe—The most popular white variety for general cultivation. Globe shaped, roots grow 5 to 6 inches in diameter. Best for table use when about 3 inches.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 65c

White Egg—A quick growing sort. Roots egg-shaped 3 inches long and about $2\frac{1}{2}$ inches thick. Thin skin. Grows nearly half above ground.

Pkt. 5c Oz. 10c $\frac{1}{4}$ lb. 20c 1 lb. 65c

Turnip—Con.

YELLOW FLESHED VARIETIES

Golden Ball—Recommended for home and market gardens. A good keeper. Round roots about 4 inches in diameter, deep yellow color with light yellow flesh.

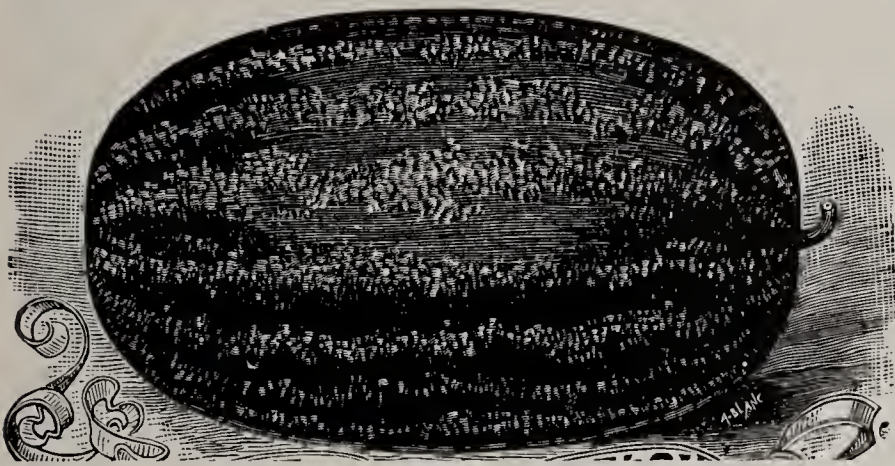
Pkt. 5c Oz. 10c ¼ lb. 20c 1 lb. 65c

Large Yellow Globe—A very popular table variety but usually grown for stock. Flesh firm and of good quality. Very tender and sweet if pulled before full grown.

Pkt. 5c Oz. 10c ¼ lb. 20c 1 lb. 65c

Watermelon

A warm light sandy loam preferred. Being tender should not be planted before middle of May. Plant in hills 8 feet apart each way. Cover seeds about one-half inch deep and when well started thin out to 3 plants in a hill. One ounce will plant about 15 hills; 4 pounds to the acre.



Ice Cream

Cole's Early—A popular extra early variety; fruit 12 inches long and 11 inches in diameter. Very good quality. Thin brittle rind, green striped skin. Bright red flesh with black seeds.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Ice Cream—One of the most popular early home garden sorts. Thin rind, medium green skin. Flesh rich scarlet, very sweet, seeds white.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Kleckley's Sweets—A large, medium oblong shaped melon with thin rind. Dark bluish-green skin and delicious sweet, bright scarlet flesh, seeds white.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Mountain Sweet—An old standard medium early variety; slightly oblong, grows fairly large. Sweet, solid, scarlet flesh, dark seeds.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Phinney's Early—A very early medium sized, oblong sort. Skin mottled with various shades of green. Thin rind. Tender, pink flesh.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Citron—(Red Seeded.) Round melon 8 to 12 inches in diameter. Skin medium green striped with darker green. White flesh, very firm. Used only for preserves.

Pkt. 5c Oz. 15c ¼ lb. 30c 1 lb. \$1.00

Ruta-Baga or Swedish Turnip

Seed should be sown in drills 18 to 24 inches apart and plants thinned out to 6 inches apart in rows.



White Rock

Improved Long Island or American Purple Top—A popular home and market garden variety. Large globular roots, purple above ground, yellow below, short neck, a good keeper.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

White Rock or Sweet German—Very productive. Large white globular roots with bronze green top. Medium neck.

Pkt. 5c Oz. 10c ¼ lb. 25c 1 lb. 75c

Herbs

Sage—A hardy grey-green perennial, with pleasant aromatic odor. Used for seasoning.

Pkt. 5c ½ Oz. 25c Oz. 40c

Summer Savory—A hardy annual. Used for flavoring.

Pkt. 5c ½ Oz. 25c Oz. 40c

Sweet Marjoram—A tender perennial, mostly grown as an annual. Used for flavoring soups, dressings, etc.

Pkt. 5c ½ Oz. 30c Oz. 50c

Thyme, Broad Leafed—A dwarf perennial. Aromatic leaves and shoots used for seasoning and in medicinal preparations.

Pkt. 5c ½ Oz. 30c Oz. 50c



The Value of a Fine Lawn

A fine lawn is a profitable investment. It represents a real addition to the value of your property and unquestionably repays you richly in the enjoyment you derive from its beauty and its actual, though unappraisable, financial worth.

Choice of Seed

Avoid cheap lawn mixtures as they are apt to contain noxious weeds, hulls, chaff and excessive inert matter.

A good lawn grass mixture should be composed of nothing but true turf grasses in the right proportions, carefully recleaned. The cost of the seed is the smallest item in the making of a good lawn; it pays to plant good seed.

Our lawn mixtures are all composed of heavy, recleaned, high germination seeds, can be furnished with or without White Clover and weight about 35 lbs. to the bushel.

O. & W. Superfine Lawn Grass Mixture—All that the name implies—composed entirely of the fine, slow growing grasses which produce a soft, velvety, permanent lawn, firm turf and desirable color.

1-lb pkg. 60c 5-lb. bag \$2.60 10-lb bag \$5.00
25-lb. bag \$11.75

O. & W. Special Lawn Grass Mixture—A superior mixture of the best and cleanest grades of seed. The varieties which it contains are best adapted to general lawn purposes.

1-lb. pkg. 50c 5-lb. bag \$2.25 10-lb. bag \$4.10
25-lb. bag \$9.75

O. & W. Quicklawn Grass Mixture—A quick growing mixture containing some grasses which produce immediate growth forming a nurse crop for the finer grasses which are slower growing.

1-lb. cellophane package 40c
2-lb. cellophane package 75c
5-lb. bag \$1.65 10-lb. bag \$3.10
25-lb. bag \$7.00

In spots shaded by trees or buildings, give special attention to fertilizing and watering. Sow a special shady place grass mixture. Remember that trees draw heavily on the food and water in the soil, so extra quantities of both must be provided to keep the grass supplied.

O. & W. Shady Dell Lawn Grass Mixture—The best selection of fine grasses which thrive under shade of trees or between buildings where there is little sun.

1-lb. pkg. 55c 5-lb. bag \$2.40 10-lb. bag \$4.50
25-lb. bag \$10.50

O. & W. HIGH GRADE FERTILIZERS AND FERTILIZING MATERIALS FOR LAWNS, GARDENS, FLOWERS, SHRUBBERY, ETC.

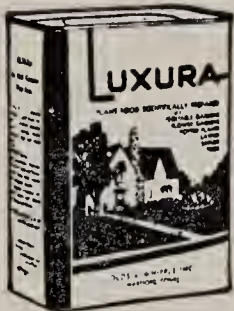
Notice: Prices are subject to market changes



Is a scientific blending of plant foods necessary to promote luxuriant growth of lawns, flowers, shrubs, vegetables, fruit and shade trees. LUXURA carries, in the right proportions, and from proper sources, Nitrogen, Phosphoric Acid and Potash, derived from both organic and inorganic materials, which promote a vigorous root system, sturdy stalk, abundant foliage and flowers. One application lasts all season.

100-lb. bag \$7.00

Special price on larger quantities.



The Luxura Hand Plant Food Distributor—For gardeners, florists, nurserymen, truckers, farmers, etc. It is a new, inexpensive time and labor saving device, also convenient for sowing lawn seed on small areas.

Price \$1.00

O. & W. Garden Fertilizer 4-8-4—Very popular with home and market gardeners.

100-b. bag \$2.50

Special price on larger quantities.

O. & W. Lawn Fertilizer 4-8-4—A complete mixture for old and new lawns.

100-lb. bag \$2.75

Special price on larger quantities.

Steamed Bone Meal—Made from pure animal bone thoroughly steamed and pulverized. Finest quality.

100-lb. bag \$2.75

Special price on larger quantities.



Sheep Manure—Sheep's Head Brand. Used for lawns and gardens. Does not analyze as high in plant food as our special mixtures.

100-lb. bag \$2.75

Special price on larger quantities.

Superphosphate—Guaranteed 16% available phosphoric acid. Recommended for land that is deficient in phosphoric acid.

100-lb. bag \$1.50

Special price on larger quantities.

Hydrated Lime—Used for sweetening the soil. Very beneficial to all clovers.

100 lbs. \$1.00

Special price on larger quantities.

Nitrate of Soda—Guaranteed 16% Nitrogen. Used as a stimulant for all plants. Must be used with great care.

100-lb. bag \$3.00

Special price on larger quantities.

Sterilized Ground Tobacco Stems—Very beneficial for lawns.

100-lb. bag \$2.50

Special price on larger quantities.

Driconure—Consists of 35 parts of peat moss and 65 parts cow feces.

100 lbs. \$5.00

Special price on larger quantities.

Sorbex—(The new peat moss.) Top quality selected sphagnum moss peat, much finer than ordinary peat moss.

10 bu. bag \$3.00

Special price on larger quantities.

Peat Moss—(Imported.) The highest grade, free from dirt. Fine for mulching hotbeds, and rose beds. Also used around evergreens and for lawns.

Large bales (about 20 bu.) \$3.00

Special price on larger quantities.

Salt—(Agricultural.) Used for asparagus beds, walks and driveways to kill weeds.

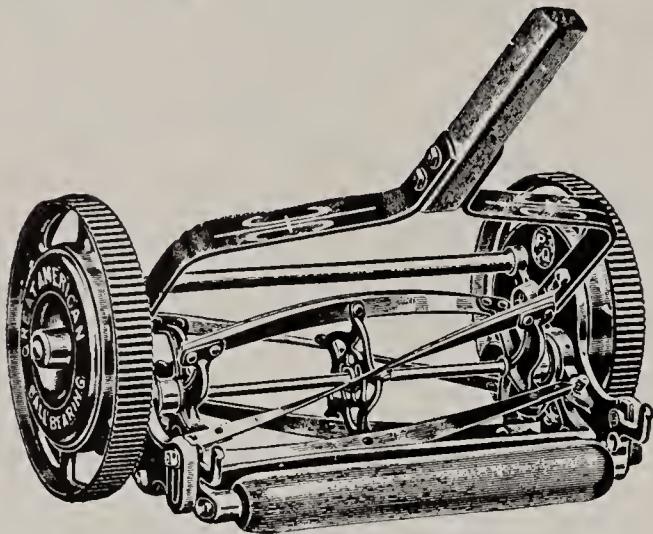
100-lb. bag \$1.25

Special price on larger quantities.

SEE FRONT PAGES FOR COMPLETE LIST
OF FERTILIZERS AND RAW MATERIALS.

PENNSYLVANIA

QUALITY
LAWN MOWERS



Great American Ball Bearing—This is the best all around mower of its type made. One of the greatest sellers of all time.

Prices: 15-inch—\$15.00 17-inch—\$17.00
19-inch—\$19.00 21-inch—\$21.00

Pennsylvania Junior Ball Bearing is everywhere recognized as the leading mower of the industry. It will cut cleanly all varieties of grasses.

Prices: 15-inch—\$20.00 17-inch—\$22.00
19-inch—\$25.00 21-inch—\$28.00

Pennsylvania Standard—Highly esteemed where hard work is required. The favorite with railroads, parks, cemeteries, etc., and stands unrivaled for all classes of work.

Prices: 15-inch—\$20.00 17-inch—\$22.00
19-inch—\$25.00 21-inch—\$28.00

Olds & Whipple Special—A popular household mower at a fair price, which will give service and satisfaction.

Price: 14-inch—\$7.00

Pennsylvania Lawn Trimmer and Edger—With this combination machine, equipped with a steel disc and a small plow, you can trim the overhanging grass along the edges of paths and flower beds.

Price: \$9.00

The "Easy-Emptying" Grass Catcher



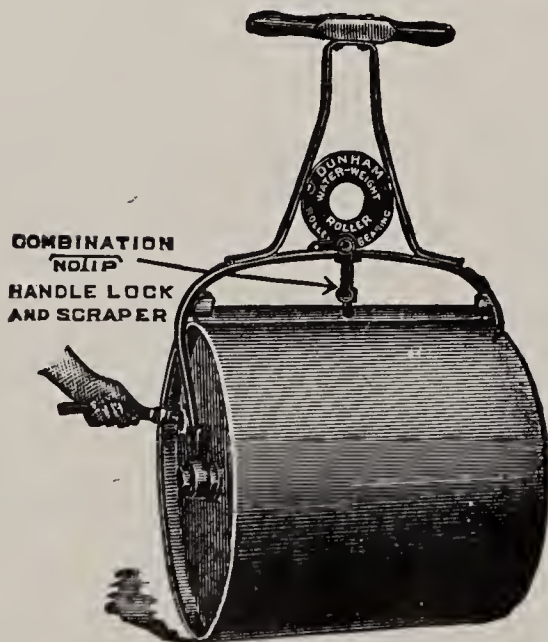
Lift It Off To Empty

Fits Any Lawn Mower Perfectly

Galvanized Steel bottoms, heavy Duck sides. Has New Improved Handle, Front Flange, Eye Bracket and Hook. Hook is permanently attached to catcher and hooks over handle of mower. Catcher is attached and detached instantly with one hand. Hook drops down parallel with handle. Guaranteed to give satisfaction.

Price: 75c each

Water Weight Lawn Rollers



At least one rolling a year is necessary to preserve a healthy turf. This should be done early in the spring, as soon as the ground is dry, to re-firm the soil about the roots after it has been loosened and heaved up by the freezing and thawing of winter. The roller should weigh 150 to 300 pounds, depending upon the texture of the soil.

The water weight lawn roller has almost entirely superseded the old-fashioned cast iron roller. By regulating the amount of water, it can be made to weigh as desired.

	Diameter	Width of Drum	Weight Empty	Weight Full	Net Price
Plain bearing	14 in.	24 in.	68 lbs	175 lbs.	\$ 9.00
Plain bearing	18 "	24 "	82 "	265 "	11.00
Roller bearing	24 "	24 "	110 "	420 "	15.00
Roller bearing	24 "	32 "	130 "	565 "	17.50

ALL ARE MADE OF FORGED TOOL STEEL

**VILLAGE BLACKSMITH
QUALITY**

№ 2219
DIBBLES



PRICE
EACH 35¢

№ 219
DANDELION
DIGGERS OR
ASPARAGUS
KNIVES ~ ~



PRICE
EACH 35¢

№ 830
WEEDERS



PRICE
EACH 35¢

№ 179
ALL STEEL
PRUNING
SHEARS



PRICE
EACH \$1.00

№ T 20
GARDEN
TROWELS



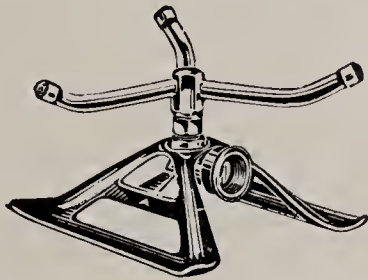
PRICE
EACH 50¢

№ 3
GRASNIPS
EASY SPRING ACTION
HOLLOW GROUND BLADES
EASY GRIP HANDLES



PRICE
EACH 75¢

“Dollar” Lawn Sprinkler



Stands 4 $\frac{3}{8}$ in. high. Base 6 $\frac{1}{2}$ in. by 7 $\frac{5}{8}$ in.
Arms are 4 $\frac{1}{2}$ in. long. In operation it gives a
widely distributed uniform spray.

Price \$1.00

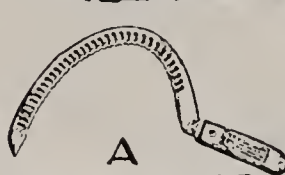
Bamboo Lawn Rakes



Made of carefully selected bamboo, with
heavy, uniform teeth, copper wired top and bot-
tom, also reinforced bamboo cross piece. They
have brass clamps and bolts and polished hard
wood handles. Our bamboo lawn rakes are by
far the best on the market and are vastly
superior to the cheaper bamboo handle rakes.

18 in. spread	33 teeth	Price	.75
24 “ “	39 “	“	1.00
30 “ “	34 “	“	1.25

TRADE MARK
VILLAGE BLACKSMITH



A
NEW WRINKLE
A Better, Quicker
Cutting, Grass
Hook. Stays
Sharp Longer

Price
60¢ each

THE
NEW
GRASWIP

Use it
like a
Golf Stick

Cuts on the
Forward and
Backward
Swing ~ ~

Price
\$1.00 ea.



35 Years Making Better Garden Tools

UNDER THE
VILLAGE BLACKSMITH
BRAND

Lawn Rakes



Stedman's Improved (as shown)	1.00
Wood 3 bow	.90
18 in. Lawncomb	1.00
24 in. Lawncomb	1.35

Galvanized Water Sprinklers



Made of sheet steel and galvanized after
being made. Will not leak or rust, furnished
with removable zinc rose.

4 qt. 65c	6 qt. 75c	8 qt. 85c
10 qt. 95c	12 qt. 1.05	16 qt. 1.50

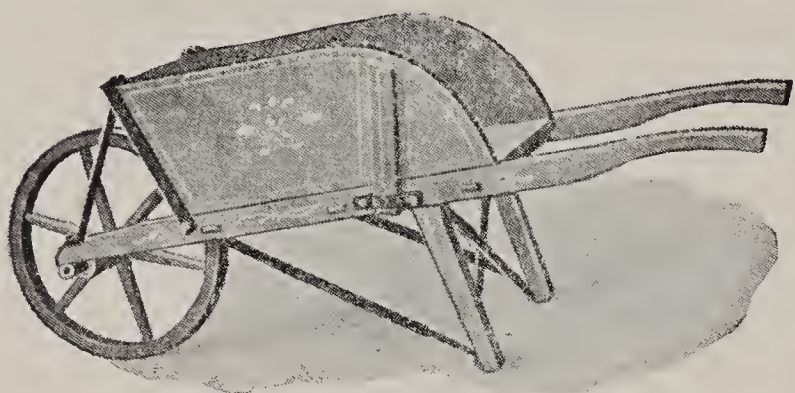
Wood Frame Steel Tray General Purpose Barrow



For the contractor, farm, garden and home use. A well constructed barrow.

Price \$5.25

Buch's Garden Barrows



No. 1 is a strong, roomy wheelbarrow for farmer's use. Size of body, 30 inches long, 24 inches wide in front, 25 inches in back. Sideboards, 12 inches high.

Price \$8.00

No. 2. A durable, neat, medium-sized garden barrow. Size of body, 28 inches long, 20 inches wide in front, 24 inches wide at back. Sideboards, 12 inches high.

Price \$7.00

No. 3. Standard size garden barrow. Size of body, 26 inches long, 19 inches wide in front, 22 inches wide in back. Sideboards, 12 inches high.

Price \$6.50

All barrows are furnished with 1 $\frac{3}{4}$ in. tread wheel. For 3-in. tread wheel add 50c.

Mortar Barrow



Angle steel legs and braces. An excellent barrow for mortar and wet concrete. Tray, 26 x 34 inches. Made of No. 16 steel, reinforced at corners, and strengthened at top by being rolled over a $\frac{5}{16}$ -inch steel rod. Capacity 3 $\frac{1}{2}$ cu. ft.

Price \$7.00

Electric Hedge Trimmer



Every man with a hedge to cut will bless this amazing new electric tool. Just try it once and you'll never willingly use a hand shear again. Let us show you how it works.



Germaco Hotkaps

New method of plant protection permits earlier planting, and gives complete protection from winds and cold rain.

1,000 lots \$10.00

5,000 lots \$9.85 per thousand

Trial package of 250, including garden setter and tamper \$3.65

Home package of 100, including garden setter and tamper, \$2.40

Steel setter and tamper, \$2.25

Neponset Flower Pots



Every grower of plants, large or small, commercial or domestic, can cut his growing costs by using Bird Neponset Black Flower Pots.

Sizes from 2 $\frac{1}{4}$ -in. to 6-in. inclusive.

Prices on application.

List of Grass, Clover and Millet Seed

Market fluctuations prohibit publishing prices.

Ask for Quotations

LEGUME CROPS

Alfalfa-Grimm (Idaho Blue Tag) State Certified. The highest grade of the hardiest strains. Alfalfa requires well limed soil and good drainage. It furnishes more green forage, more pasture and more dry hay per acre than any other known variety of hay or grass. Sow 20 lbs. per acre. For best results, inoculate every seeding. Weight 60 lbs. per bushel.

Clover-Alsike. Is somewhat smaller in growth than red clover and the blossoms are pinkish white instead of red. Will thrive on poorer soil. Does not require lime and will produce well in damp spots. Sow 8 lbs. per acre. For best results, inoculate every seeding. Weight 60 lbs. per bushel.

Clover—Mammoth Red. This is a distinct type, similar to Medium Red in seed and blossom, but making a larger, coarser growth and a more extensive root system. It matures a little later and is at the best stage for cutting at the same time as Timothy. Sow 10 lbs. per acre. For best results inoculate every seeding. Weight 60 lbs. per bushel.

Clover—Medium Red. Is the most largely grown and most generally useful legume crop in America. In feeding value, the hay ranks next to Alfalfa. As a soil builder, it is the equal of any and superior to most. If sown with Timothy, the Clover usually predominates the first season and the Timothy the second season. After the second season the Clover largely disappears. Sow 10 lbs. per acre. For best results inoculate every seeding. Weight 60 lbs. per bushel.

Clover—Sweet White Blossom. It will grow in almost any climate and on almost any type of soil, thriving on land too poor for Alfalfa or Red Clover. It is a biennial. As hay or green forage, it ranks with Alfalfa in feeding value. Weight 60 lbs. per bushel. Sow 20 lbs. per acre.

Clover—White Dutch. Since it is low growing, it is not adapted for hay. It is used chiefly for pastures and lawns. Although perfectly hardy and not especially sensitive to conditions of soil moisture and drainage, White Clover must have lime. Weight 60 lbs. per bushel.

Cow Peas. They are coarse, bushy and spreading in growth. Since they require a long growing season and considerable warmth, they are not adapted for growing in this climate. Weight 60 lbs. per bushel. Sow in drills, 1 bu. per acre.

Field Peas—Canada. Unlike Cow Peas, they do not need a long growing season but thrive best in a cool, moist climate. They are grown for hay, green forage and soil improvement, usually being seeded with Oats. Weight 60 lbs. per bushel. Sow 2 bu. per acre.

GRASS SEEDS

Timothy. Has been for years the standard and most widely grown hay grass. Is a short-lived perennial; a stand does not last more than four or five years, yielding its best crop the year after it is sown. Weight 45 lbs. per bushel. Sow 12 lbs. per acre.

Kentucky Blue Grass. Requires two or three years to become well set. Once established it is checked by, but lives through, considerable drought. It is the most nutritious of American pasture grasses. Also largely used for lawns. Weight 14 lbs. per bushel. Sow 1½ to 2 bu. per acre.

Canada Blue Grass. Is less productive and slightly less palatable than Kentucky Blue Grass. On the other hand, it is hardier and will grow on poorer soil. Weight 14 lbs. per bushel. Sow 1 to 1½ bu. per acre.

Red Top. No other grass will grow under as great a variety of conditions as Red Top. It will thrive on almost every type of soil except sand. It grows rapidly and vigorously, forming a compact sod that persists under heavy grazing. It is also used for lawns. Weight (re-cleaned) 35 lbs. per bushel. Sow 15 lbs. per acre.

Orchard Grass. Is a long-lived perennial. It gets its name from its ability to grow in the partial shade of orchards and open wood lots. As a consequence, its principal use is for pasture and hay under shady conditions. Weight 14 lbs. to bushel. Sow 1½ to 2 bu. per acre.

Rye Grass—Domestic. (Perennial). Noted for its rapid growth. Is not especially productive but serves a very useful purpose in permanent mixtures because it sprouts and grows quickly, forming a cover while the slower growing grasses are getting established. Weight 24 lbs. to bushel. Sow 1 to 1½ bu. per acre.

Rye Grass—Italian. Slightly coarser than Domestic, annual variety, little used in the North.

Chewings Fescue. Of all the finer grasses, none will stand more hard wear and trampling. It grows on poor, dry, sandy soil; resists drought and does well in shaded places. Particularly fine for lawns. Sow 30 lbs. per acre.

Poa Trivialis. (Rough Stalked Meadow Grass). A fibrous rooted perennial, noted for its productiveness and quick growth, doing best on rich, moist soils and in shaded places.

Sudan Grass. A quick-growing annual summer hay grass. It should largely supplant millet, which yields only a single cutting, whereas Sudan grass will give at least two.

Grass Seeds—Con.

Astoria Bent. A comparatively new and distinct kind of grass; seldom produces stolons but spreads from underground root stalks; produces splendid turf. Excellent for lawns and golf greens.

Seaside Bent. A stoloniferous grass. Used principally for golf purposes. Very good color. A most popular strain of Bent.

MILLETS

These are quick-growing annual grasses, adapted to a wide range of soils and climates, but requiring a good supply of moisture at the start and warm weather throughout their short growing seasons.

German Millet. Also called Golden Millet. Stems heavier, leaves broader and coarser than common Millet. Requires a slightly longer and warmer growing season and a mellow soil. Ready to cut in about 65 days. Weight 48 lbs. per bushel. Sow 25 to 40 lbs. per acre.

Hungarian Millet. Sometimes incorrectly called "Hungarian Grass." An early variety. The hay is of excellent quality and the yield, under good conditions, averages 2 to 2½ tons per acre, ranking second in this respect to German Millet. Weight 48 lbs. per bushel. Sow 25 to 40 lbs. per acre.

Japanese Millet. It is rather coarse and succulent, which makes it difficult to cure for hay and it is not recommended for that purpose. It makes the best silage and green forage of any of the Millets. For green feed, cut just before the heads appear. For ensilage, cut in late bloom or when the seed is beginning to form. Weight 32 lbs. to bushel. Sow 15 to 20 lbs. per acre.

GRAINS

Barley. Oderbrucker. Six-rowed, heavy yielding, used mostly for cover crop. Weight 48 lbs. to bu. Sow 2 bu. to acre.

Buckwheat—Japanese. Yields heaviest on fertile well-drained, sandy loam, but will give fair results on soils too poor for most other crops, matures in about 70 days, ripens best in early Fall. Weight 48 lbs. per bu. Sow one bu. per acre.

Oats—Swedish Select. Large, plump, white kernels, with thin hulls, grows well on light soils and stands considerable drought, earliest of the heavy yielding sorts. Weight 32 lbs. per bu. Sow 2 bu. per acre.

Rye—Rosen Winter. Produces a strong, vigorous straw. The grain is large and heavy and commands a premium over common rye, but the excess yield will more than pay the extra cost. Weight 56 lbs. per bu. Sow 2 bu. per acre.

K-4-21

NOD-O-GEN

**A PURE
CULTURE OF NODULE BACTERIA**

Make sure of nitrogen gathering nodules for your legume crops by inoculating with NOD-O-GEN. Assures heavy early growth. Better plant growth above and below ground. Higher protein content of crops. NOD-O-GEN improves quality, quantity and yield. Use NOD-O-GEN.

*for Seed
Inoculation*

NOD-O-GEN is available for inoculation of all legumes divided into many separate groups. Write us what legumes you are planning to grow. Full information FREE.





Rhubarb grown on farm of Thomas H. Hauser, Suffield, Conn. Mr. Hauser has used O. & W. Fertilizers for a number of years.

INSECTICIDES FUNGICIDES



ACME ALL AROUND SPRAY. Combines Bordeaux Mixture, the best known remedy for blight and fungus diseases, with arsenate of lead to control chewing insects and Black Leaf "40" to kill sucking insects.

Prices: ¼ lb. 35c. 1 lb. 75c.



ACME ANT-KILL. Kills ants in the nest.

Cottage set contains five service cups, five nails and a bottle of syrup.

Price 60c.



ANT TRAPS. The bait is contained within a metal air-sealed trap.

Price 25c. each.



APHIS SPRAY. An improved nicotine spray for the control of aphis, thrip, leaf-hopper, and many more hardy insects infecting rose bushes, flowers, vegetables, etc. It is a combination of one-third Black Leaf "40" and two-thirds soft fish oil soap.

Price: 3 oz. tube 35c.

ARSENATE OF LEAD (Powder). For spraying trees, shrubs and non-edible parts of vegetables against attack of leaf-eating insects.

Price: 1 lb. 25c.

Prices on larger quantities on application.

ARSENATE MAGNESIUM. Used for the control of the Mexican bean beetle.

Two-pound package makes 100 gallons of spray.

Price: 65c. each.

ATLACIDE (Calcium Chlorate). A non-poisonous weed killer. Can be dissolved in water and applied as a spray or can be dusted on the weed from the sifter can.

1 lb. can 50c. 3½ lb. can \$1.50

100 lb. Drum \$13.50

BLACK ARROW INSECT DUST. Non-poisonous and will not burn. Kills garden and greenhouse pests and is also very effective in poultry houses, dog kennels and dairy barns.

1 lb. can 45c. 5 lb. can \$1.85

BLACK LEAF "40"—Nicotine Sulphate. This insecticide is highly recommended by experimental stations as a spray for all soft bodied sucking insects and does not injure the foliage. It may be combined with other sprays.

1 oz. bottle 35c. 1 lb. \$2.10 2 lb. \$3.10

5 oz. bottle \$1.00 5 lb. \$5.85 10 lb. \$9.85

BORDEAUX MIXTURE (Powder). For the control of Potato Blight, Celery Blight, Strawberry Leaf Spot, and Black Rot on Grapes.

1 lb. 25c. 4 lb. bag 75c.

BUG DEATH. A non-poisonous powder used as a dust. Kills potato, squash and cucumber bugs, also currant and tomato worms.

1 lb. 20c. 3 lbs. 40c. 5 lbs. 60c. 12½ lb. \$1.40

100 lbs. \$8.00

CALCIUM ARSENATE. Used to control potato bugs, tomato and cabbage worms—also many other chewing insects.

1 lb. 20c.

Prices on larger quantities on application.

Insecticides and Fungicides—Con.

CARBOLA. The modern disinfecting white paint. For poultry houses, stock barns, cellars, etc.

5 lb. package makes 2½ gallons—60c.

10 lbs. \$1.00 25 lbs. \$2.00 50 lbs. \$3.75

COPPER SULPHATE (Crystals). Used as a spray for rats, molds, mildews and all fungus diseases—principally on potatoes.

Prices on application.

COPPER SULPHATE MONOHYDRATED. Mixed with lime, it is used as a dust for blight control, mostly on potatoes.

Prices on application.



CROW REPELLENT—Insures seed corn against attack by crows, pheasants, blackbirds and other corn annoying birds.

½ pt. can 60c., enough for one bushel of corn
1 pint \$1.00 1 quart \$1.75



CYANOGLAS "A" DUST is a powder which, when exposed to air, gives off a poisonous gas which is the killing agent. For ants, rats, moles, woodchucks and other burrowing rodents.

½ lb. can 45c. 1 lb. can 75c. 5 lb. can \$3.00

CYANOGLAS "G" FUMIGANT. Standard greenhouse fumigant.

5 lb. can \$3.00



DAWG-GONE is a combination of rare chemicals releasing an odor very distasteful to dogs. Just hang tube on lower branch of tree at point of approach. Tubes at corners will protect clump of several trees.

Price: 35c.

DUTOX. Used principally for the control of the tobacco flea beetle and striped cucumber beetle.

1 lb. can 35c. 6 lb. bag \$1.50

FISH OIL SOAP is recommended as a tree and plant wash to keep them bright, clean, and free from many insects and lice.

1 lb can 30c.



GARDEN GUARD. A good garden dust—perfectly harmless to humans, birds and pets, yet highly effective against insects, both sucking and chewing types. Rotenone, the active ingredient, is highly advocated by certain officials at Washington.

1 lb. can 35c. 4 lb. bag 75c.
25 lbs. \$4.50

KAYSO. The casein spreader that is effective in any mixture, wet or dry, under any conditions. Lime sulphur, bordeaux, lead arsenate, nicotine and whitewash, all cover better and stay longer when mixed with KAYSO. Use one pound to 100 gallons dilute spray.

1 lb. package 30c. 2 lbs. 50c. 10 lbs. \$2.00
50 lbs. \$9.00 100 lbs. \$17.00

LIME AND SULPHUR SOLUTION is the fungicide most commonly recommended for apple and many other fruit diseases. For early spring spraying use. One gallon to forty gallons of water. For summer spraying, use one gallon to fifty or sixty gallons of water.

1 qt. can 35c. ½ gal. can 50c. 1 gal. can 75c.
5 gal. can \$2.50

Ask for prices on larger quantities.

LIME AND SULPHUR DRY. This fungicide contains the same ingredients as the liquid lime sulphur, but is more convenient to handle. Use 3 to 3½ pounds to fifty gallons of water.

12½ lb. bag \$1.75 25 lbs. \$3.25
50 lbs. \$6.00 100 lbs. \$11.50

NICOTINE DUST. P. A. Nicotine dust contains 4% actual nicotine. The most effective remedy for aphids and all sucking insects on potatoes, peas and other plants.

10 lb. can \$1.85 25 lb. drum \$4.00
50 lb. drum \$7.00 100 lb. drum \$12.00

Insecticides and Fungicides—Con.



POMO GREEN. Leaf green sulphur dust for the control of black spot, and chewing insects on plants. Fine for roses. Can be used as a dust or spray.

1 lb. can 50c 5 lb. package \$1.75
25 lb. package \$8.00

POMO GREEN WITH NICOTINE. Use where aphids are present.

1 lb. can 75c. 5 lb. package \$3.00

PYRETHROL (Pyrethrum Soap). A concentrated insecticide for the control of the Japanese beetle. Also useful against many other garden, orchard, farm and household pests. Non-poisonous. 1 lb. makes 5 to 15 gallons of spray.

½ lb. can 50c. 2 lb. can \$1.50 10 lbs. \$6.00

Ryrox

Is intended to control external chewing insects and many plant diseases for which Bordeaux mixture is applicable. May be used on potatoes, tomatoes, cucumbers, cantalopes, squashes and most vegetables, grapes, strawberries, currants and many other fruits

Price: 1 lb. jar 50c. 5 lb. can \$1.75
10 lb. can \$3.00 25 lb. can \$5.00
50 lb. drum \$7.25



Spray your garden with Red Arrow and you destroy both chewing and sucking insects at the same

time. Absolutely non-poisonous to human beings, domestic pets and birds, but deadly to insects. One ounce makes four to eight gallons of spray.

Price: 1 oz. bottle 35c. ¼ pt. can \$1.00
½ pt. can \$1.50 Pint can \$2.00 Qt. can \$3.70

SANOSEED. Instantaneous potato dip. For the control of Blackleg, Rhizoctonia, Scab and certain other seed-borne potato diseases.

¼ lb. can 50c; enough for 7½ gallons of water. 1 lb. can \$1.75

SCALECIDE. Used for the destruction of San Jose Scale. Trees may be sprayed in early Spring before they start to come to bud. One quart makes four gallons of spray.

Prices: 1 qt. 60c. 1 gal. \$1.40 5 gal. \$4.90
10 gal. \$8.50 15 gal. \$12.00 30 gal. \$19.00
50 gal. \$26.50

SEMESAN. General disinfectant for vegetable and flower seeds or bulbs and certain plant diseases.

2 oz. can 50c. 1 lb. \$2.50

SEMESAN BEL. Dip disinfectant for seed potatoes. It is valuable for combatting such surface-borne diseases of white seed potatoes as Rhizoctonia and scab, and for protecting the seed against certain soil-borne organisms that cause premature decay of the seed pieces.

4 oz. 50c 1 lb. can \$1.75 5 lb. \$8.00

SEMESAN, JR. Dust disinfectant for seed corn, generally preserves the seed against rotting in cold, wet weather and checks certain forms of seedling blight, root and stalk rots. It also increases germination.

4 oz. can 50c 1 lb. can \$1.50 5 lbs. \$7.00



SULPHUR DUST is a preventative rather than a cure for Black Spot on roses, mildew on roses, chrysanthemums, Phlox, Delphiniums, Sweet Peas and Lilacs. Leaf spot on roses, phlox, hollyhocks and peonies.

1 lb. sifter top can, 40c.

Ask for prices on larger quantities.

SULPHUR - COMMERCIAL - POWDERED.

Used principally for checking mildew and various blights.

1 lb. 15c 5 lbs. 50c 10 lbs. 80c
25 lbs. \$1.25 50 lbs. \$2.00

TOBACCO DUST. Powdered for dusting flowers, shrubs, melons, squash, cucumbers, etc.

1 lb. 15c 5 lbs. 40c 10 lbs. 65c
25 lbs. \$1.25 50 lbs. \$2.00



TREE TANGLEFOOT is a sticky material for applying in bands around the trunks of trees and vines to combat the climbing and creeping type of destructive insect pests. It remains effective three to four months, outlasting ten to twenty times any other material.

6 oz. can 25c. 1 lb. can 65c.

Lowell Guard Duster



Is most frequently used in and about the home, in destroying roaches, ants, flies, etc. Made of heavy tin. Finished in green laquer.

Price 30c

Lowell Sentry Duster

Medium size capacity for the home.

Price 50c.

Lowell Warrior Duster

Is designed for use in the garden. Equipment: Two 12-in. extensions, two angle nozzles, one narrow and one wide faced to permit covering large area.

Price \$1.25

Lowell Gladiator Duster

Is principally adapted for field crops such as beans, potatoes, etc., has the capacity to do a larger amount of work. Made of tin coated sheet steel. Finished in green lacquer.

Price \$2.50

Niagara Hand Dusters



Crank Type, Continuous Brush Feed.

No. 42 (as shown). Is well made and of good substantial materials and will operate for a long time if given reasonable care. All moving parts run in ball bearings.

Price: \$14.00 net.

Extra for two row attachment, \$1.50

No. 634. Duo-Dust Gun. Can be made to expel a continuous cloud of dust or to eject a cloud intermittently.

Price: \$25.00 net.

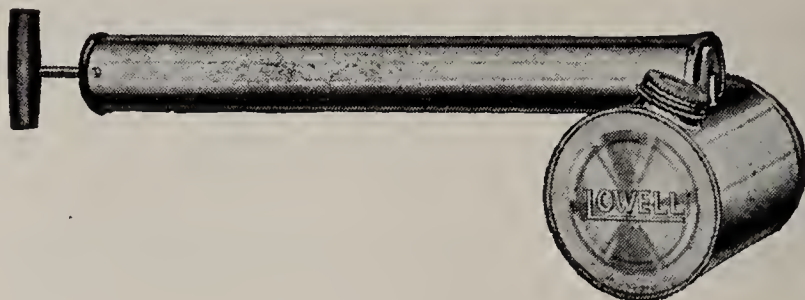
Extra for two row attachment, \$2.00

Lowell Crank Duster

A strong, well made duster which develops a powerful air blast and has ample capacity for two rows of field crops.

Price: \$13.50 net.

Lowell Midget Sprayer



Meets the demand for a very low priced sprayer for household purposes.

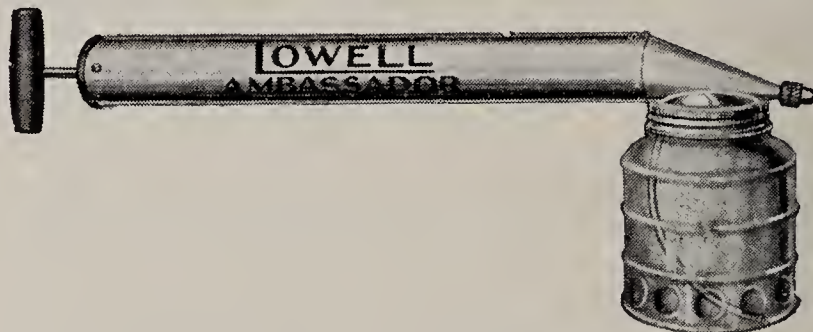
Price 25c.

Lowell Handy Garden Sprayer

Is a convenient size to use in the back yard garden, around shrubbery or in the poultry house. Made of heavy tin.

Price 35c.

Lowell Ambassador Sprayer



Meets the demand for a continuous sprayer with detachable container.

Price \$1.20

Lowell Beacon Sprayer

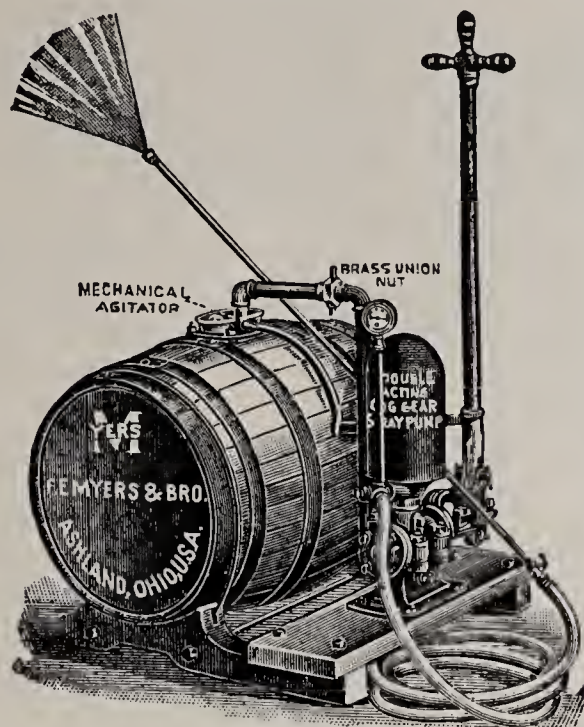


Tank 7¼ in. diameter, 20 in. high. Side seam closely brass riveted; top and bottom double folded. Sweat soldered throughout. Capacity about 3¾ gallons.

Galvanized Tank. Price \$5.00

Copper Tank. Price \$7.50

Myers Cog Gear Spray Pump (Double Acting)



With brass valves and ground bevel brass seats, 2-in. seamless brass removable cylinder, hemp packed plunger and double lever shut-off discharge. SPECIAL FEATURES: Cog Gear Movement increases the leverage, adapting it for spraying under heavy pressure. Mounted complete. Occupies smallest possible space. Capacity sufficient for 8 nozzles. An ideal outfit for spraying potatoes. Will set in an ordinary farm wagon box. No. R316B Pump complete, 50 gallon barrel mounted as shown, with pressure gauge, one 15 ft. lead of $\frac{3}{8}$ -in. 7-ply discharge hose, one Fembro nozzle, one 8-ft. pipe extension with lever shut-off and mechanical agitator.

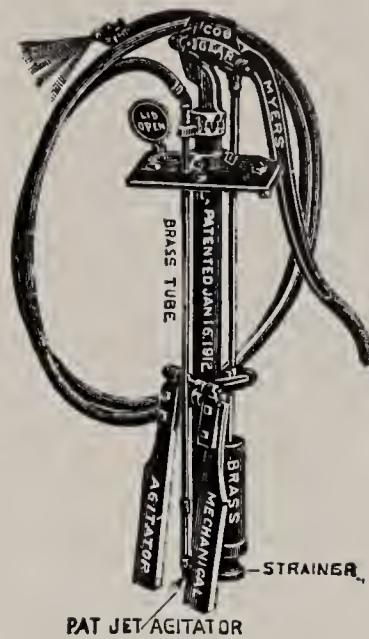
Price \$54.00 Net Cash Price \$51.30

Myers Portable Sprayer



A handy outfit about the home, greenhouse or orchard. The tank is made of heavy galvanized iron thoroughly reinforced at top and bottom by steel bands. Hung in the frame on trunions. 12½ gallon capacity. R336½B. Complete as shown, with dasher agitator, 15 ft. $\frac{1}{2}$ in. 5-ply discharge hose, 8-ft extension and Vermorel nozzle.

Price \$25.00 Net Cash Price \$23.75



Myers Cog Gear Barrel Spray Pump

Complete with one lead of 15 feet $\frac{1}{2}$ -inch 5-ply discharge hose, graduating Vermorel nozzle, and mechanical agitator for closed head barrel.

No. R318B Price \$16.00

Net Cash Price \$15.20

Myers Cog Gear Lever Bucket Spray Pump

With agitator, complete with detachable hose and graduating Vermorel fine sprinkling and solid stream nozzle.

No. R324 Price \$6.00

Net Cash Price \$5.70

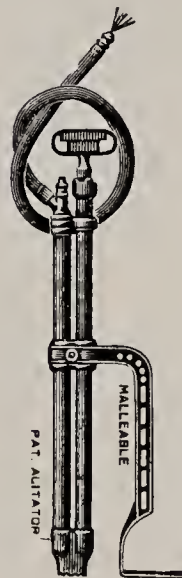


Myers Little Giant Bucket Spray Pump

With agitator, complete with hose and imperial combination fine, coarse spray and solid stream nozzle, with malleable foot rest.

No. 327½ Price \$3.75

Net Cash Price \$3.56



Myers Eztofill Compressed Air Sprayer

Finished in French Gray Enamel. Complete with 18-in. Brass Extension Rod.

No. 2240 2½ Gallon Galv. Tank \$4.75

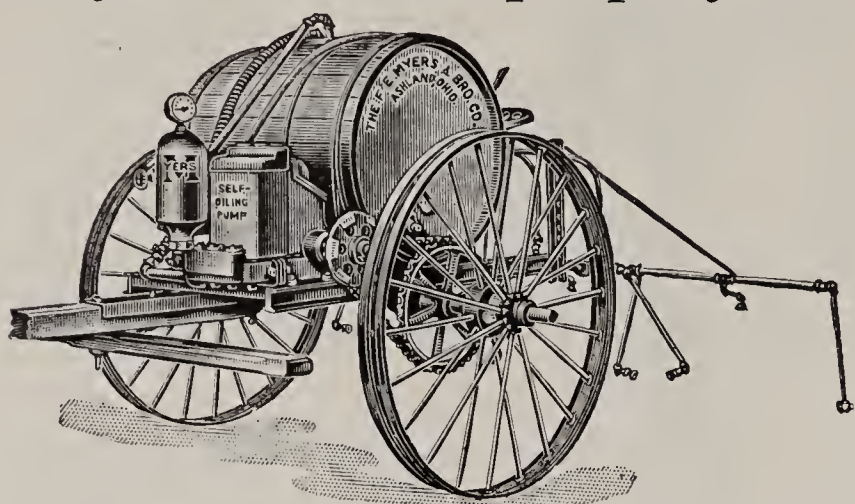
No. 2240B 2½ Gal. Brass Tank \$8.50

No. 2242 4 Gallon Galv. Tank \$5.50

No. 2242B 4 Gallon Brass Tank \$9.50



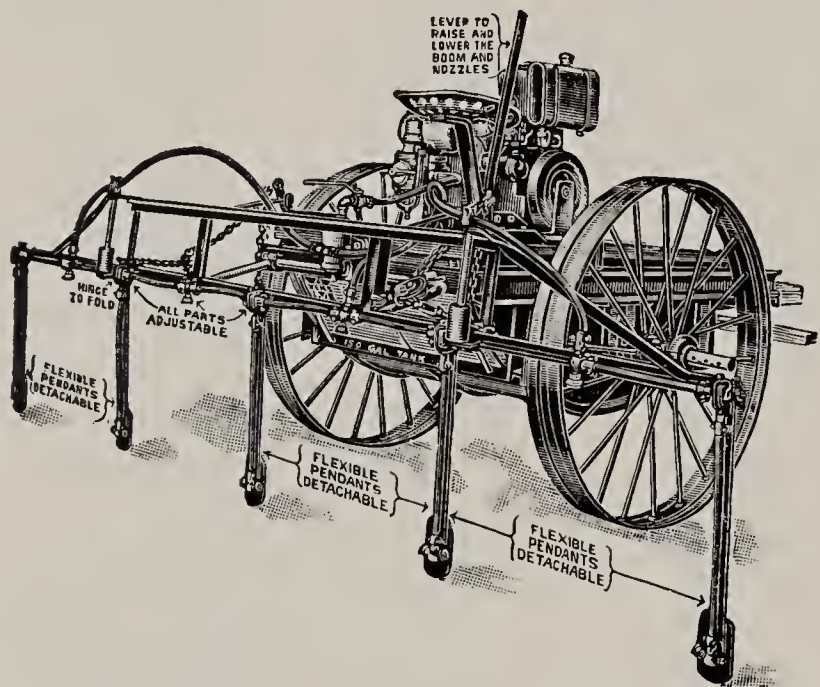
Myers Row Crop Sprayers



Myers Traction Sprayer No. 1076 with 50-gallon tank, pressure gauge, lever cut-off, long double-tree and neckyoke, 4-row boom.

Myers Traction Sprayer No. 1077 as shown with 100-gallon tank, lever cut-off, sediment chamber, long double-tree and neckyoke, 4-row boom.

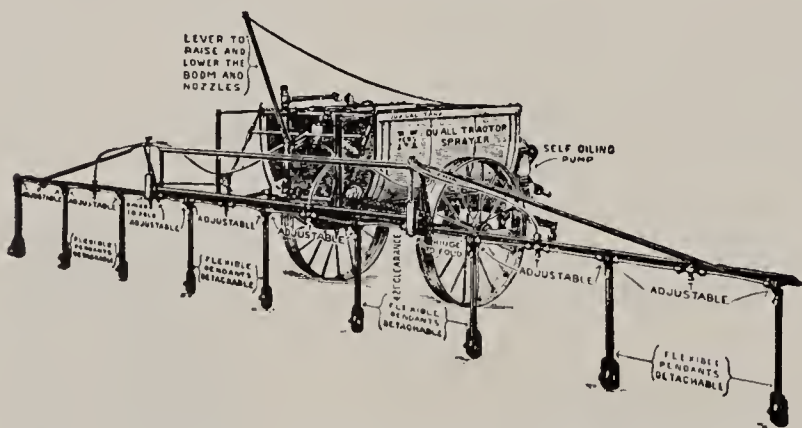
Prices on application.



Myers Junior Sprayer No. 1079 with 100-gallon tank, self-oiling bulldozer pump, 2-H. P. engine and 4-row boom.

Myers Senior Power Sprayer No. 1070X as shown with 150-gallon tank, duplex self-oiling pump, 4-H. P. engine, 4-row boom.

Prices on application.

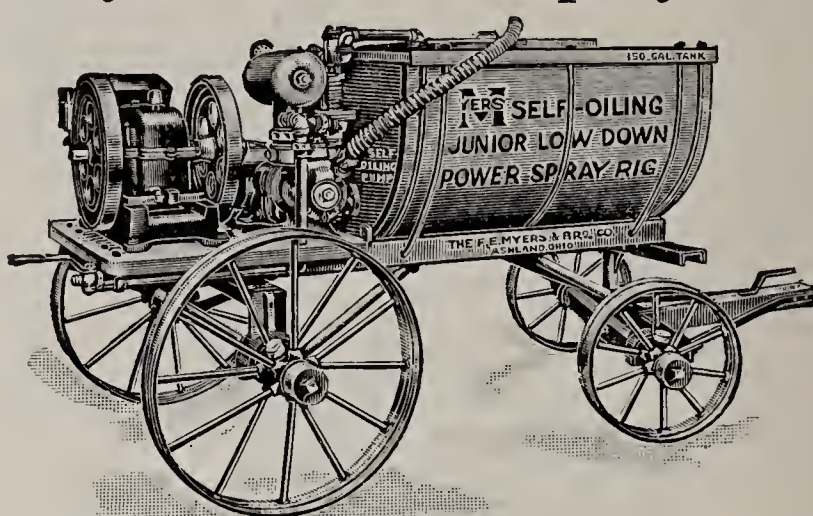


Myers Du-All Tractor Driven Power Sprayer with 200-gallon tank, triplex self-oiling pump and 6-row boom.

Myers Du-All Tractor Driven Power Sprayer No. 1099X with 300-gallon tank, quadruplex self-oiling pump and 8-row boom.

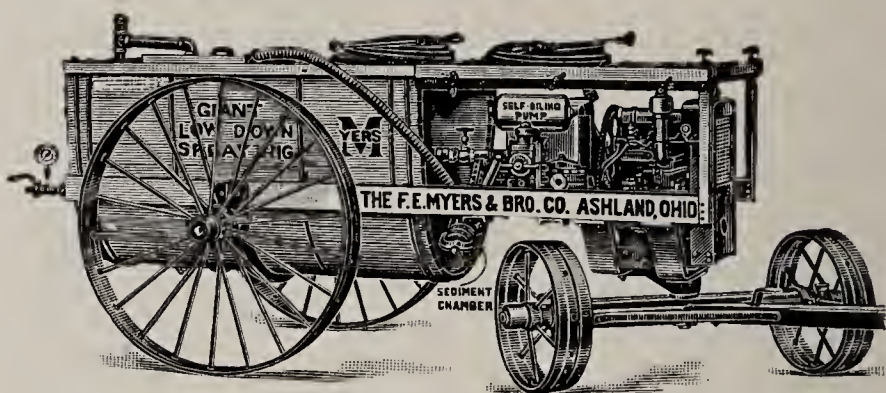
Prices on application.

Myers Orchard Sprayers



Myers Self-Oiling Junior Low Down Power Spray Rig No. 754 with 100-gallon tank, engine and double acting pump. 250 to 300 lbs. pressure. Designed for the farmer with a small orchard.

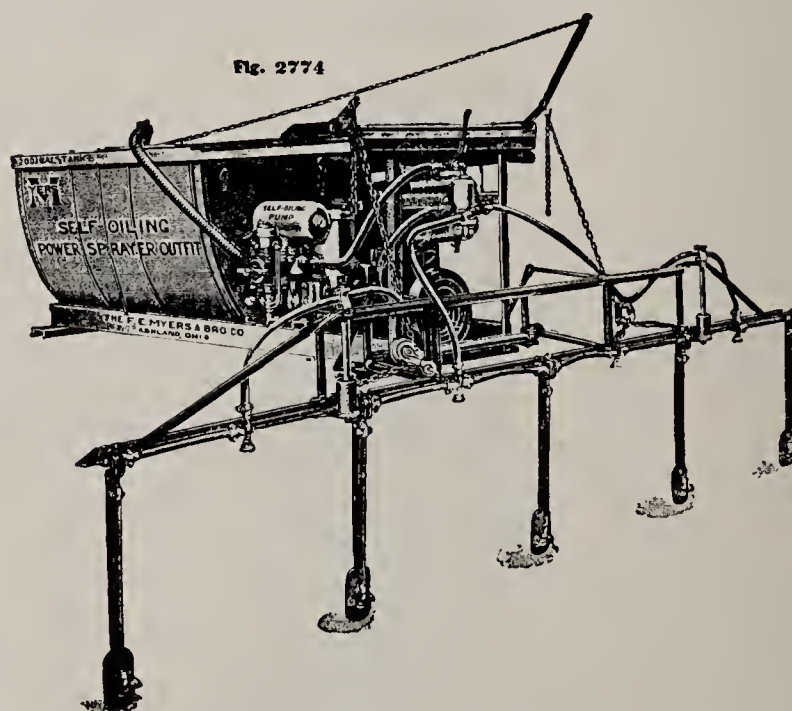
Prices on application.



Myers Giant Power Spray Rig No. 724X as shown with 200-gallon tank, Triplex pump and 6-H. P. engine, delivers 10 to 16 gallons per minute, 350 to 500 lbs. pressure.

Myers Giant Power Spray Rig No. 731X with 300-gallon tank, Quadruplex pump and 8-H. P. engine delivers 12 to 20 gallons per minute, 350 to 500 lbs. pressure.

Prices on application.



Myers Power Spray Outfits for mounting on farm wagon gears or trucks for row crop or orchard spraying. No. 1074X as shown 200-gallon tank with duplex pump delivering 8 to 10 gallons per minute or with triplex pump, delivering 12 to 15 gallons per minute, 350 to 500 lbs. pressure. No. 727 with 300-gallon tank and quadruplex pump delivering 12 to 20 gallons per minute, 350 to 500 lbs. pressure.

Prices on application.

Dusting

The Modern Method of Crop Protection.

The rapid strides which the dusting method of crop pest control has made in the past five years is directly traceable to the efforts of the Niagara Sprayer Company. Its success, however, has come because it has done those things which were claimed for it, and brought results by the most direct route.

Dusts of infinite fineness have been perfected, containing those properties necessary to kill insect pests and prevent diseases. Not only do the Dusts do the work done by liquid sprays, but their development has opened new fields of Crop Pest Control.

Niagara Dusts are now being made that stick "through Wind and Rain" and exhibit toxic properties to many fungi and insects heretofore unequalled by either wet or dry materials.

Niagara Dusting Material

Dormant Dust. Delayed dormant dusting for San Jose scale, red mite and aphids on apples, pears and shade trees.

\$10.50 per 100 lbs.

Kolodust. A new dust developed by the Niagara Sprayer Co. It is sulphur fused with bentonite at high temperature and the product is koloized (a colloidal form). This produces a dust of infinite fineness much finer than 300 mesh, which experiment stations have proven more toxic to fungous diseases than any sulphur yet produced.

\$5.35 per 100 lb. bag.

Kolotex. A Sulphur Poison dust that will stick. The New Exclusive Niagara Sulphur Fungicide with Lead Arsenate.

\$7.00 per 100 lb. bag.

Kolokil. A Sulphur Heavy Poison Dust.

\$7.70 per 100 lb. bag.

Kolopeach. A Sulphur Small Poison content Dust suitable for dusting peaches and other stone fruits.

\$6.35 per 100 lb. bag.

Kolopeach Special. Carries a higher lead content. For use in orchards where peaches and apples are interplanted.

\$6.95 per 100 lb. bag.

Super-Sulfodust. A 300 mesh dusting Sulphur.

\$4.50 per 100 lb. bag.

Pomodust. A 300 mesh dusting sulphur with 10 per cent. lead.

\$5.85 per 100 lb. bag.

Fruitex. A 300 mesh dusting sulphur with 15% lead.

\$6.50 per 100 lb. bag.

A-1 Mixture. A Contact Poison Dust. High percentage of quickly volatile nicotine fumes. 3% actual 100% nicotine. For aphids, red bugs, pear psylla, etc. The best contact dust for sucking insects, both out doors and green-houses.

\$12.00 per 100 lb. drum.

P. A. Dust. Used same as A-1, contains 4% actual 100% nicotine.

\$15.50 per 100 lb. drum.

M21. A 50-50 dust for cabbage and cauliflower.

\$7.00 per 100 lb. drum.

Rotenone Dusts. Non-poisonous. Are the latest development in materials for use in the control of chewing insects. They have the additional quality of leaving no objectionable residue at harvest time. The present restrictions in our arsenical residue tolerance have made an increasing demand for materials which kill chewing insects and yet may be used with safety.

.75% Rotenone. \$15.00 per 100 lb. drum.

Vitidust. Copper, Lime, Lead Arsenate. Mixture for grapes.

\$7.00 per 100 lb. drum.

Copodust. A Copper-Lime Dust. The New Exclusive Niagara Copper Lime Fungicide for blights of potatoes and other field crops.

\$4.75 per 75 lb. bag.

Copotex. A Copper Lime Dust, with Poison added for potato bugs, etc.

\$6.50 per 75 lb. bag.

Wildfire Dust. A Copper Lime Dust for tobacco.

\$4.75 per 75 lb. bag.

Above Prices Subject to 5% Discount For Cash and 5% for Quantity of one ton or more.

Niagara Spray Material

Kolofog. A colloidal sulphur, for Summer application on apples and peaches. More toxic than any other non-caustic sulphur spray material. Use 6 lbs. to 100 gallons of water.

48 lb. carton \$4.50.

Kolofog Wettex—Apple. Kolofog with the proper amount of lead. Use 9 lbs. to 100 gallons of water.

45 lb. carton \$4.85

Kolofog Wettex Peach. Use 8 lbs. to 100 gallons of water.

48 lb. carton \$5.00

Emulso. Emulsified Oil for control of red mite, scale and aphids.

50 gallon drums @ 40c. per gallon

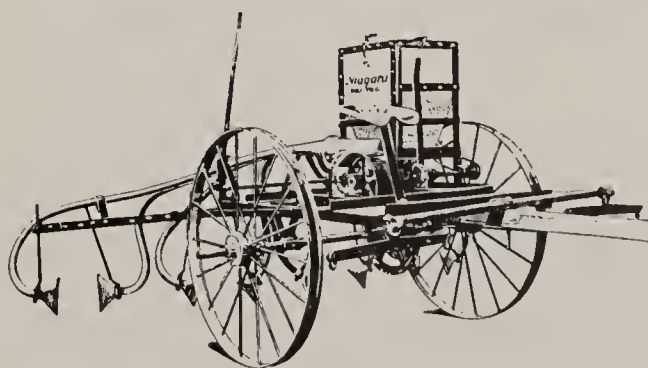
Peninsular Oil Emulsion. (Used same as above.)

50 gallon drums @ 30c. per gallon.

Tar Oil Wash. (83% Tar Oil.) Use 4 gallons to 100 gallons of water as a dormant application to control aphids in the egg stage on apples or cherries.

50 gallon drums @ 50c. per gallon.

The "Dri-Fog" Crop Duster

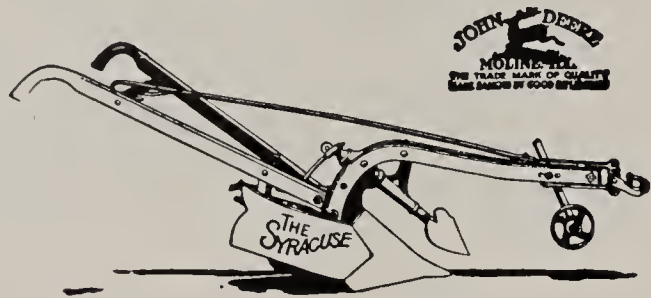


(4-row,
8-nozzle or
6-row,
12-nozzle)

Prices on
application.

Is the most recent addition to Niagara's complete line of Dusts and Dusters. This great crop duster is a new machine in every respect—in design, construction and performance.

John Deere--Syracuse No. 821 Series Truss Steel-Beam Hillside Plows

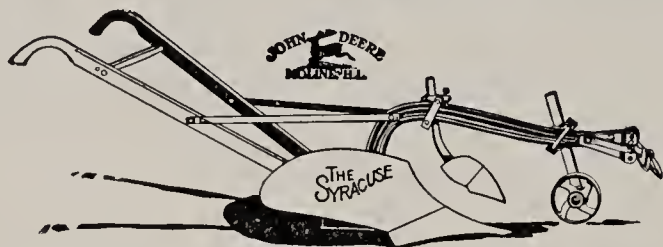


Ample throat room and close-fitting joints prevent clogging. Choice of white iron or tempered steel mouldboard adapts them to a variety of soils. Steel and malleable iron give maximum strength and unusual light weight. Two-piece truss-style beam is extra sturdy. Renewable shoe protects standard and serves as landside.

- 825 Small, one horse
- 824 Medium, one horse
- 823 Large, one horse
- 822 Medium, two horse
- 821 Large, two horse

Prices on Application.

John Deere--Syracuse No. 31- 32 Series Walking Plows

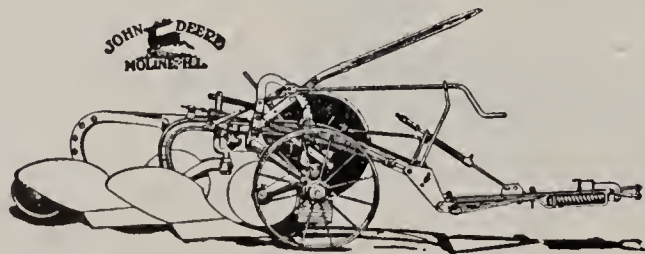


The mouldboard of hardened soft-center steel is formed so that a furrow may be turned smoothly up or down on sloping land. This feature makes Syracuse plows of this series popular in sections where the land is somewhat rolling. Steel landside of extra height, furnished with a cast shoe which can be renewed at slight expense.

- 32 Medium, two horse
- 31 Large, two horse

Prices on Application.

John Deere No. 4 Tractor Plow



The strongest two-bottom tractor plow ever built. Beams, beam-bracing and other important parts are of the same great strength as

similar parts built into larger John Deere tractor plows. Heavy-duty, constant power lift raises bottom to a constant height regardless of depth of plowing. 23-inch clearance from beams to share-points insures freedom from clogging. Rolling landside carries rear weight on greased bearing—no dragging landside friction. Furnished with 12, 14, or 16-inch bottoms. For any farmer operating a "two-plow" tractor, the No. 4 is a mighty satisfactory plow.

- 24" Cut (1442S Bottoms)
- 28" Cut (1441S Bottoms)

Prices on Application.

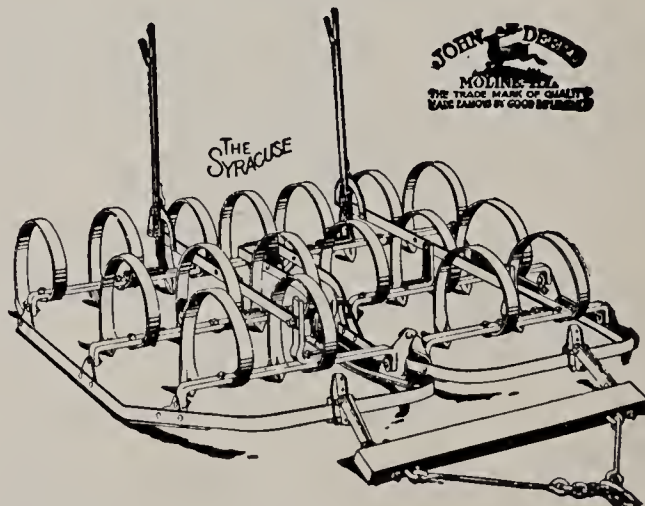
John Deere Universal Steel Lever Harrow



The Universal is the ideal spike-tooth harrow for orchard or vineyard work because the end rails prevent the tooth bars from catching on trees or vines. A spring relief on each lever permits the harrow teeth to pass over roots, stones, or other obstructions without being damaged. We can furnish the Universal in one, two, three, and four sections, with either 25 or 30 teeth to the section.

Price on Application.

Syracuse Spring Tooth Harrow



Its special-process, heat-treated spring steel teeth penetrate to a greater depth than any other type of harrow teeth. They tear out the weeds and leave the field smooth. The teeth are securely clipped to the tooth bars—no bolt holes to weaken them. We can furnish any number of sections you desire; also tractor hitch if you want it.

Price on Application.

Acme Pulverizing Harrows



Acme Pulverizing Harrows are constructed entirely of steel and iron. They are practically unbreakable and have nothing to wear out but the coulters, and they are interchangeable.

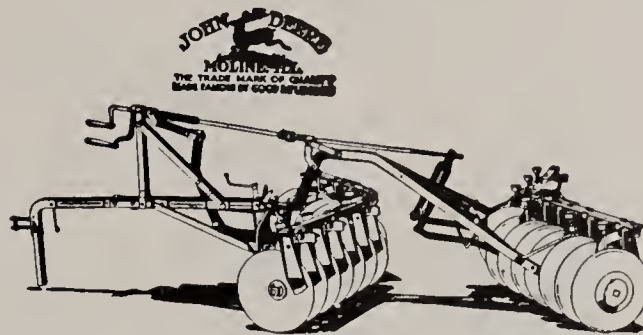
No. 8—4 ft., 4 in., cut for one horse.

No. 12—6 ft., 6 in., cut for two horses.

No. 12F—6 ft., 6 in., cut for two horses.

Prices on Application.

John Deere Model "LC" for Tractor



Front and rear sections are angled by independent cranks convenient to tractor operator, without backing or stopping harrow. Automatic yielding lock coupling, an exclusive feature, compels rear discs to cut ridges left by front gangs.

24-16 in. discs, 6 ft. cut

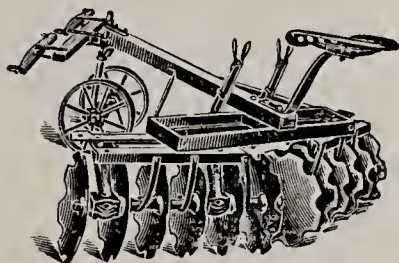
28-16 in. discs, 7 ft. cut

32-16 in. discs, 8 ft. cut

Prices on Application.

Clark Cutaway

SINGLE ACTION



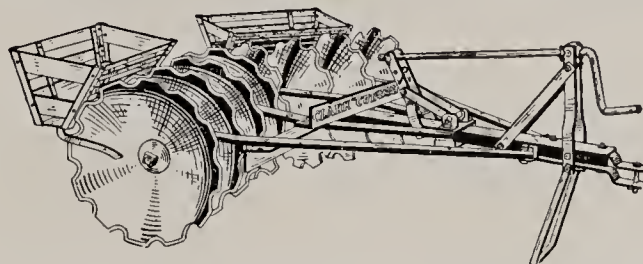
The Clark "Cutaway" single action harrow is reversible, that is, the gangs can be swung end for end, so that the soil may be thrown either out or in.

A-4 1-horse, 8-16 inch discs.

A-6 2-horse, 12-16 in. discs, with pole or fore-truck.

Prices on Application.

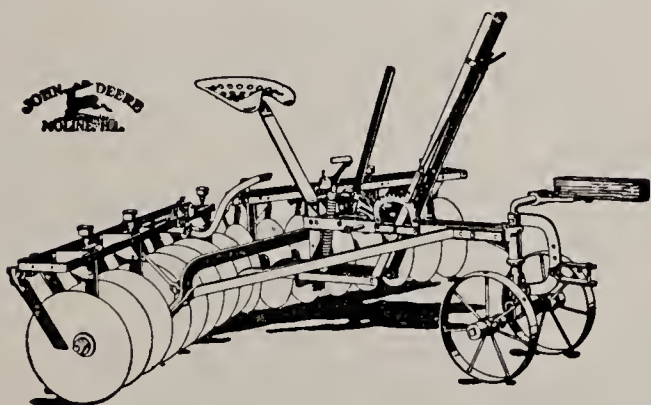
"Clark Cutaway" Tractor Wonder Disker



The Wonder Disker is a great improvement over the bush and bog plow and harrow which was popular for many years. It is a large, heavy, powerful implement, built for the unusual job where ordinary plows and harrows either cannot be used at all, or where they make the job too laborious and costly. For orchard work the reversing feature is vital.

Price on Application.

John Deere Model B



Extremely flexible, penetrates, pulverizes and packs the soil its entire width. Each gang works independently—one gang can pass over obstructions without lifting the other from its work.

12-16 inch discs with pole or foretruck.

Prices on Application.

Planet Jr. Single Wheel Hoes



No. 16 Equipment (as shown) one pair of six inch hoes, three cultivator teeth, one garden plow, one seven inch rake, one four inch rake, one leaf guard.

Price \$8.50 Net Cash Price \$8.08

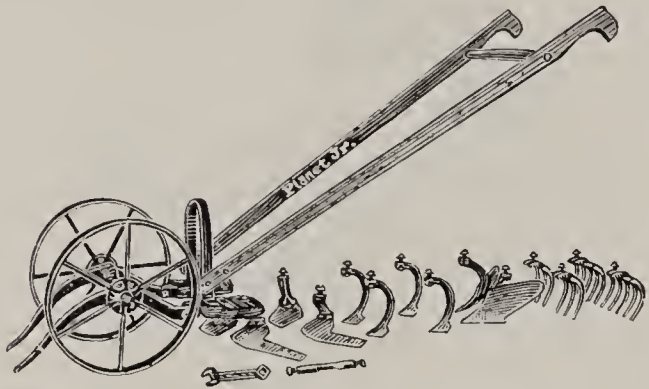
No. 17 Equipment—one pair six inch hoes, three cultivator teeth, one plow.

Price \$7.35 Net Cash Price \$6.99

No. 18 Equipment—one pair six inch hoes.

Price \$5.50 Net Cash Price \$5.23

Planet Jr. Double Wheel Hoes



No. 11 Equipment (as shown): One pair six inch hoes, one pair 4½" hoes, four steel cultivator teeth, one pair plows, two three-tooth rakes, two five-tooth rakes, two leaf lifters.

Price \$13.00 Net Cash Price \$12.35

No. 12 Equipment— one pair six inch hoes, four cultivator teeth, one pair plows.

Price \$10.25 Net Cash Price \$9.74

No. 13 Equipment—one pair six inch hoes.

Price \$7.60 Net Cash Price \$7.22

Planet Jr. Seeders



Few farmers still continue the practice of planting seeds in hills. They find it more economical to plant in continuous rows and thin out to the proper distance apart. The No. 300-A therefore plants in continuous rows only, but it plants all seeds evenly and accurately, and covers them uniformly.

Price \$18.75 Net Cash Price \$17.82

No. 4. Combined Hill and Drill Seeder, single wheel hoe, cultivator and plow.

Price \$16.75 Net Cash Price \$15.92

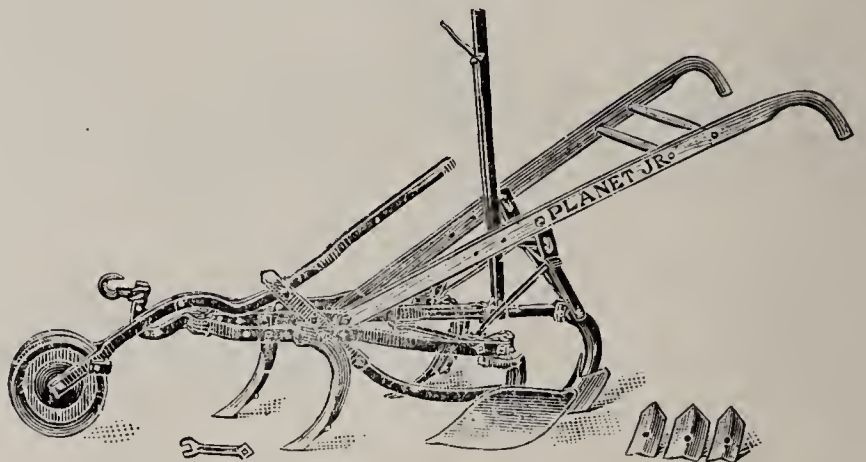
No. 4-D. Seeder only.

Price \$13.50 Net Cash Price \$12.83

No. 25. Combined Hill and Drill Seeder. Double or single wheel hoe. Cultivator and plow.

Price \$21.00 Net Cash Price \$19.95

No. 8--Planet Jr. Horse Hoe and Cultivator



Equipment as shown. Four 3 x 8 in. cultivator steels, one 4 x 8 cultivator steel, two six-inch hillers, one seven-inch shovel, lever wheel, lever expander, and depth regulator.

Price \$14.70 Net Cash Price \$13.97

—No. 7—Planet Jr.

Same as No. 8, but has no depth regulator.

Price \$14.20 Net Cash Price \$13.49

—No. 9—Planet Jr. —

Same as No. 7, but has plain wheel instead of lever wheel.

Price \$12.75 Net Cash Price \$12.12

—No. 82 Planet Jr.—

Equipment. Seven 2¼ x 8 in. cultivator steels, one pair six inch hillers, one seven inch shovel steel, lever expander.

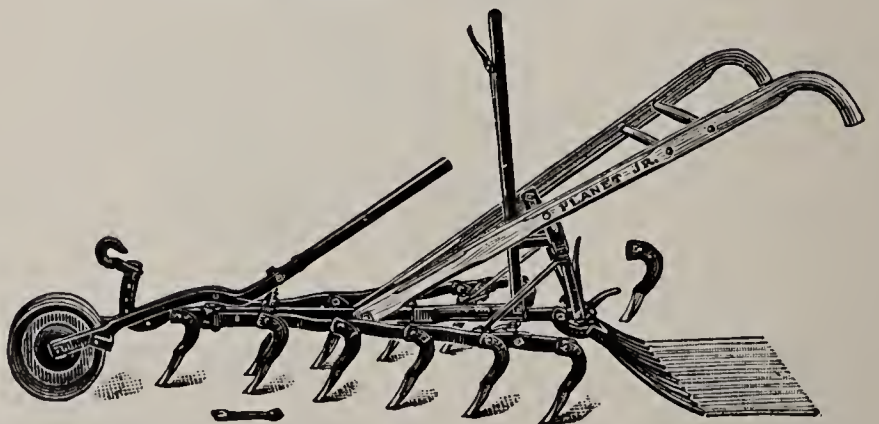
Price \$14.25 Net Cash Price \$13.54

—No. 83 Planet Jr.—

Equipment. Seven 2¼ x 8 in. cultivator steels, lever expander.

Price \$12.75 Net Cash Price \$12.12

No. 90--Planet Jr.



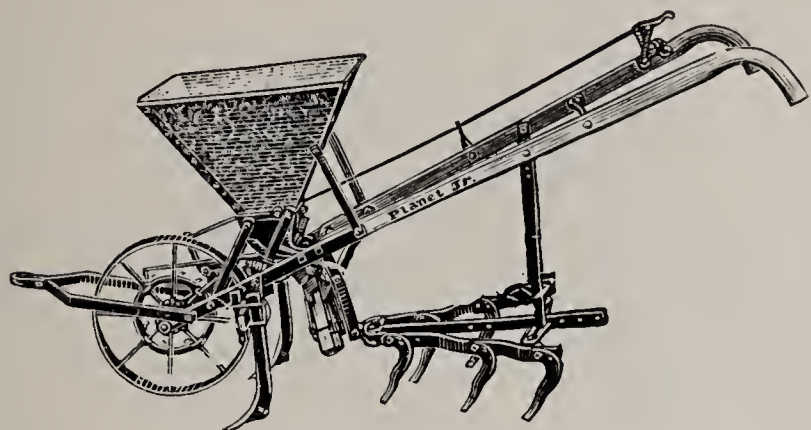
Twelve-tooth harrow (as shown). Price \$15.50.

Net Cash Price \$14.73

90B, less pulverizer. Price \$12.75

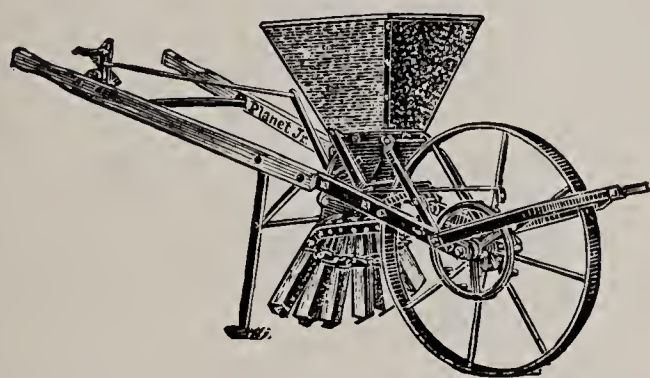
Net Cash Price \$12.12.

Planet Jr. Fertilizer Distributor and Cultivator



A new and highly recommended method of applying fertilizer to growing crops is to distribute it uniformly on the ground between the rows, and to then cultivate it thoroughly into the soil. The Planet Jr. No. 230 is a machine for use with one horse, and will do both of these jobs at once.

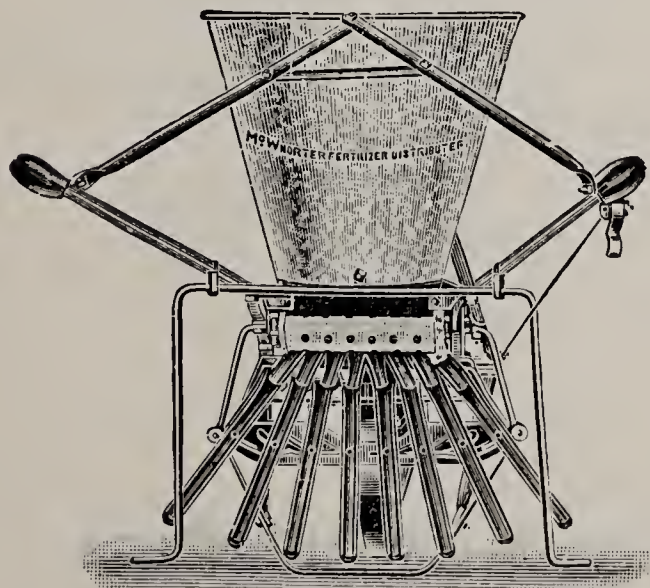
Price \$35.00 Net Cash Price \$33.25



Planet Jr. Fertilizer Distributor No. 220 is a hand machine which will handle any commercial fertilizer and will distribute it evenly in any desired quantities.

Price \$26.00 Net Cash Price \$24.70

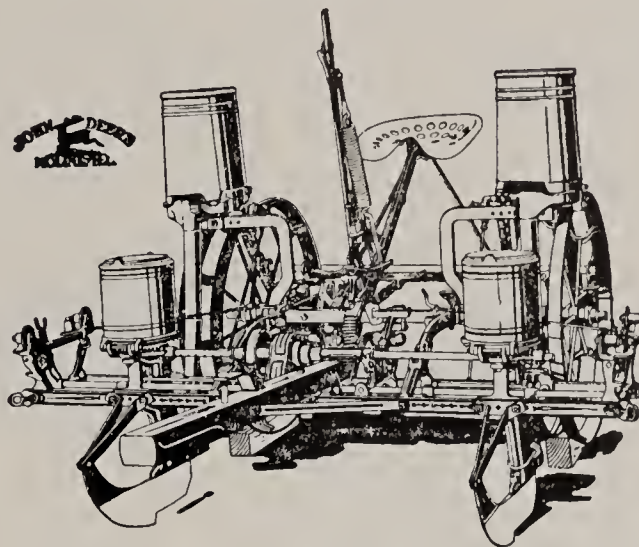
McWhorter Fertilizer Distributor



Positive belt feed. Sows 200 lbs. to a ton per acre.

Price \$21.00 Net Cash Price \$19.95

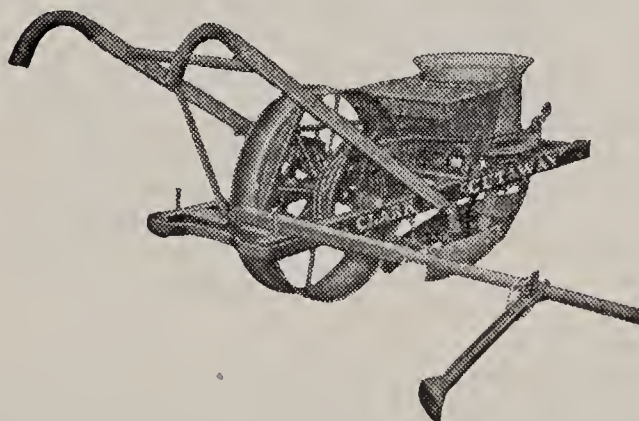
John Deere No. 999 Corn Planter



Widely recognized as the most accurate planter on the market. The John Deere Natural Cell-Fill, Edge-delivery seed plates, sloping hopper bottom, improved metal cut-off and knocker insure positive feed and unfailing accuracy. Plants accurately whether the hopper is full or nearly empty. Seed plates for handling every kind of corn; also beans, and many other seeds. Variable drop plants two, three or four kernels in each hill as desired. The number of kernels per hill can be varied merely by shifting foot lever, without stopping the machine. Also varies the distance in drilling. Easy to change from hilling to drilling. Underhung reel; a touch of the toe releases check wire, fertilizer can be checked with each hill, or drilled along a row.

Price on Application.

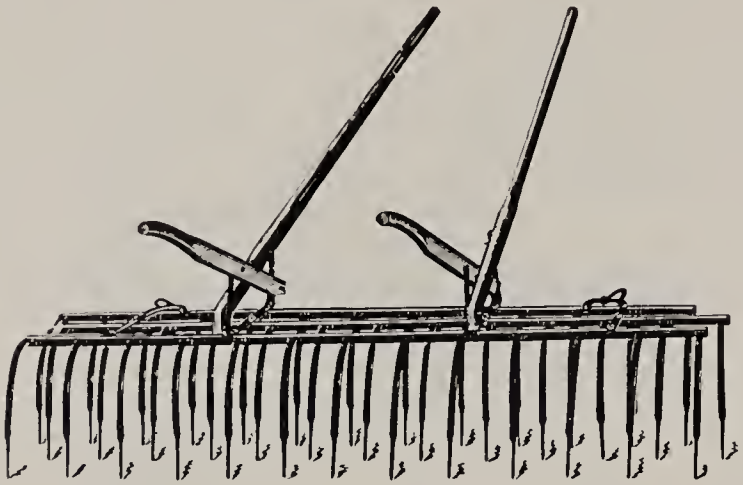
Clark "Cutaway" Corn Planter



—CLARK "CUTAWAY" CORN PLANTER— is adapted for hilly and rocky land, as well as for easy working conditions. It can be easily pulled by one horse and seven to ten acres can be planted in a day. The seed hopper has two compartments, so two kinds of seed may be planted at the same time, such as corn and beans, or other seeds. Every planter is equipped for planting in hills 4½, 9, 12, 18, 24, 36 and 72 inches apart. It also plants in drills.

Price on Application.

Farquhar Walking Weeder



A standard weeder having curved teeth. Built in two sizes 7½ ft.—39 teeth—weight 95 lbs. 11 ft.—57 teeth—weight 135 lbs.

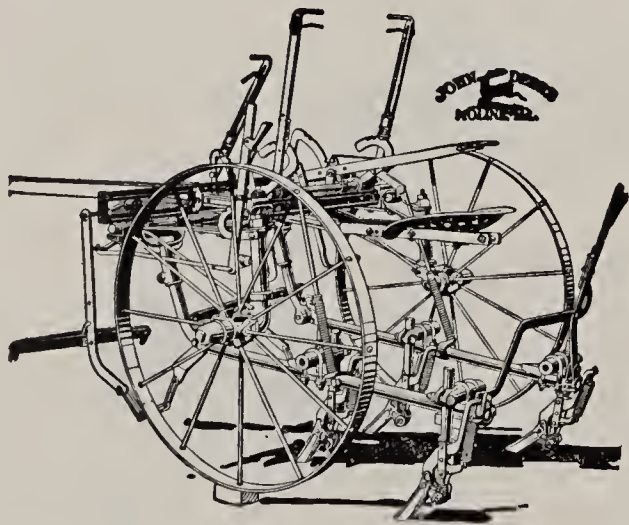
Prices on Application.

Farquhar Riding Weeder—12 ft.—63 teeth—weight 367 lbs.

Grass seed attachment for above sows in front of the teeth and is driven by sprocket from ground wheel. Quantity ranges from four to twenty quarts per acre.

Prices on Application.

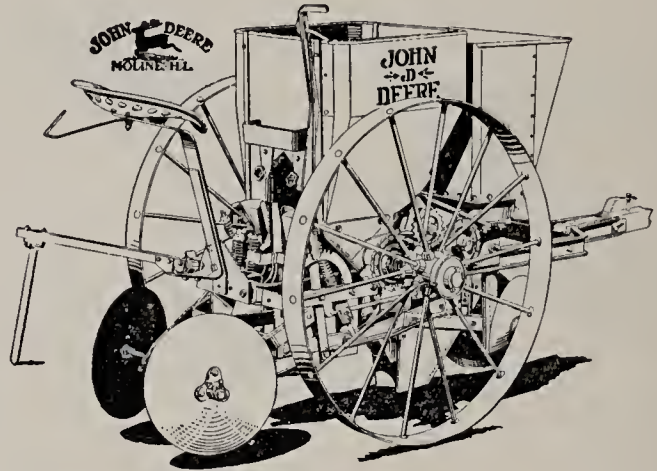
John Deere KL Cultivator



Especially designed for use in narrow or wide rows—the ideal cultivator for diversified farming. Wheel track quickly adjustable to cultivate rows from 28 to 48 inches wide. Easy control to meet all field conditions by means of master lever, independent depth levers, tilting lever and spacing lever. Quick dodge—pedal guide pivots wheels and shifts rigs. Open framework through center gives good view of work ahead of shovels. Strongly built—frame does not sag, wheels do not spread. Great variety of rig styles to meet conditions in every section of the country.

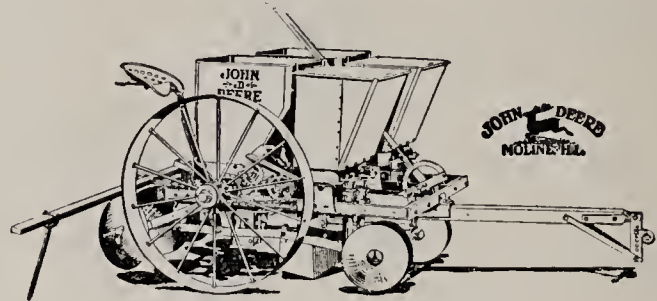
Price on Application.

New John Deere Potato Planter



The simple gravity feed insures just the right amount of seed in the bowl for efficient planting. You can plant whole or cut, treated or untreated seed with surprising accuracy. Highly efficient fertilizer equipment, with leak proof hopper bottoms. Handles fertilizer in practically any quantity desired, in just the way you want it handled, and at the desired depth.

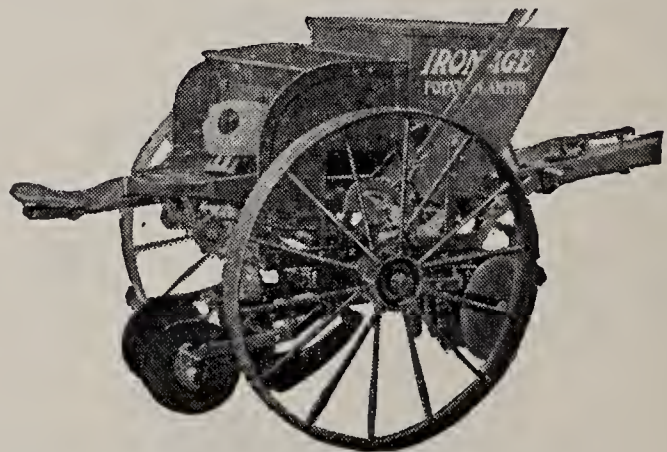
Price on Application.



Two row planters are furnished in two sizes, adjustable for rows 30, 32, 34 and 36 inches wide, and for rows 36, 38, 40, and 42 inches wide.

Price on Application.

Iron Age Potato Planters--One Row

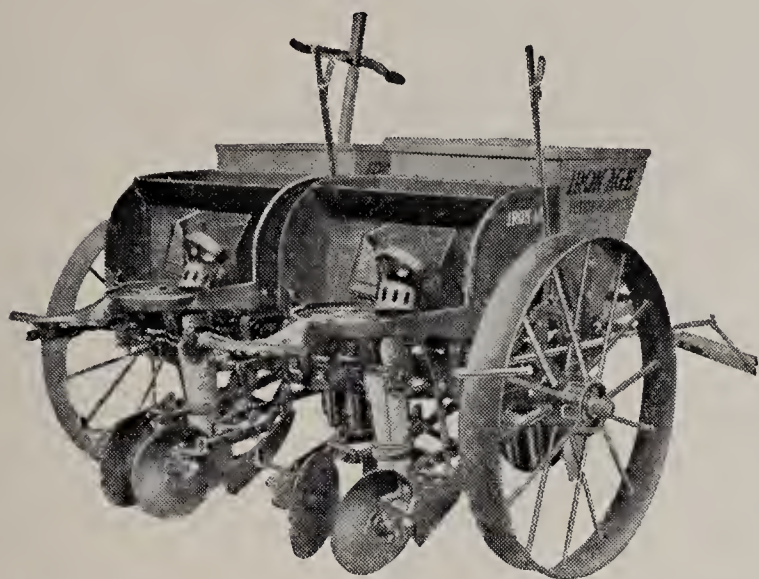


ASSISTED-FEED PLANTER

For many years it has been conceded that in its ground performance, the Iron Age Planter exhibits the highest degree of perfection ever attained. By Iron Age ground performance is meant the opening of furrow, distributing of fertilizer, and finally ideal covering and ridging. Equipped for large seed.

Price on Application.

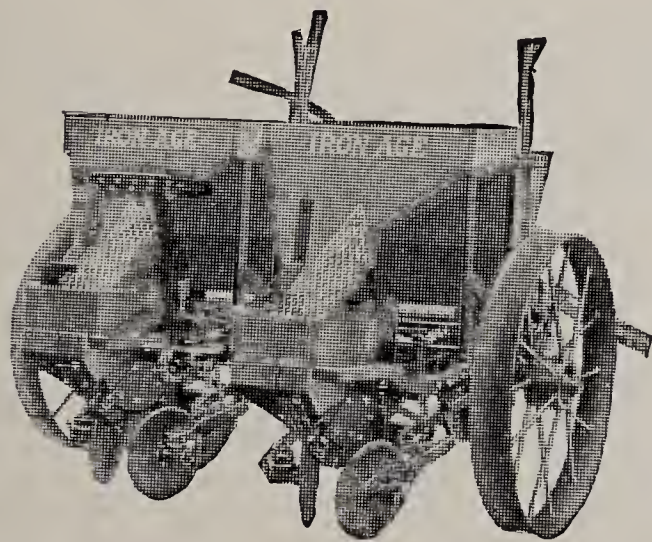
The Two-Row



THE TWO-ROW Assisted-Feed Planter—has become very popular with the larger grower—not only because of the increased speed of planting, but because it eliminates the use of one man (another driver), as only one driver is required. It is strongly constructed and braced with heavy angle irons, firmly bolted together, which carry all the center weight without placing strain on the axles. It is supplied in two ranges of four width adjustments. For rows 30, 32, 34 and 36 inches, or 36, 38, 40 and 42 inches. Size wanted must be specified when ordering.

Price on Application.

Iron Age Automatic Planters



IRON AGE AUTOMATIC PLANTERS differ from the Assisted-Feed Planters only in their mechanical handling of the seed. The picking of the seed and the planting mechanism are always in plain view of the operator.

One and Two Row.

Prices on Application.

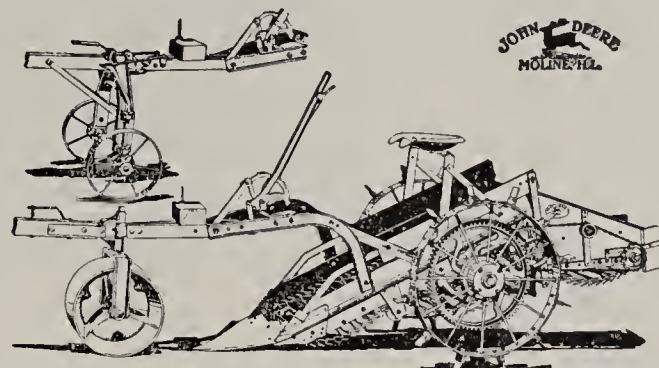


Roderick King, South Windsor, Conn., using a Hoover potato digger and Dahlman bagger. Mr. King has a large yield grown on O. & W. Fertilizer.

John Deere--Hoover Potato Diggers

These famous mechanical diggers dig the potatoes with a minimum of mechanical injury. Shovel of crucible plow-steel, scours and works in varied conditions without bending or breaking.

Main sides are built up of two steel angles riveted together—much stronger than single-angle construction.



Furnished in one-row size with ground or engine drive, and one-and two-row tractor drive, with equipment to meet your requirements.

Prices on Application.

Farquhar Success Jr. Potato Digger

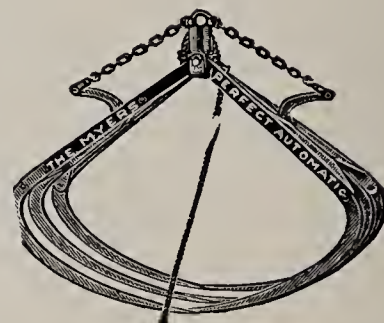
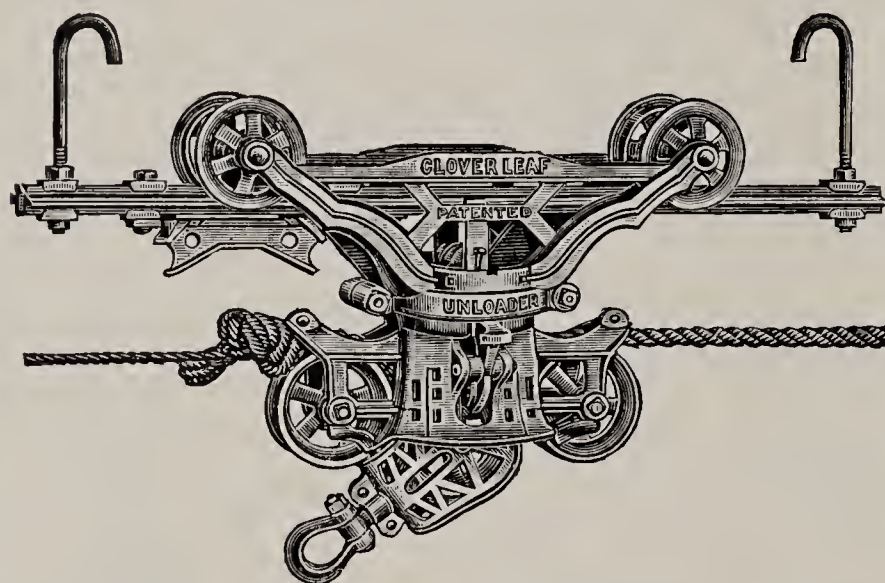
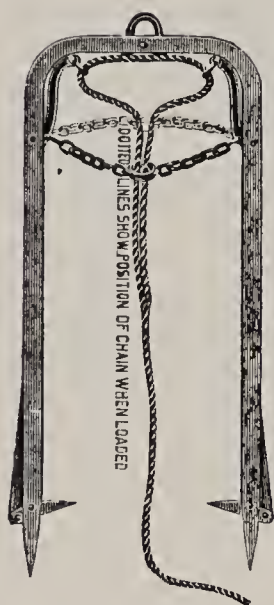
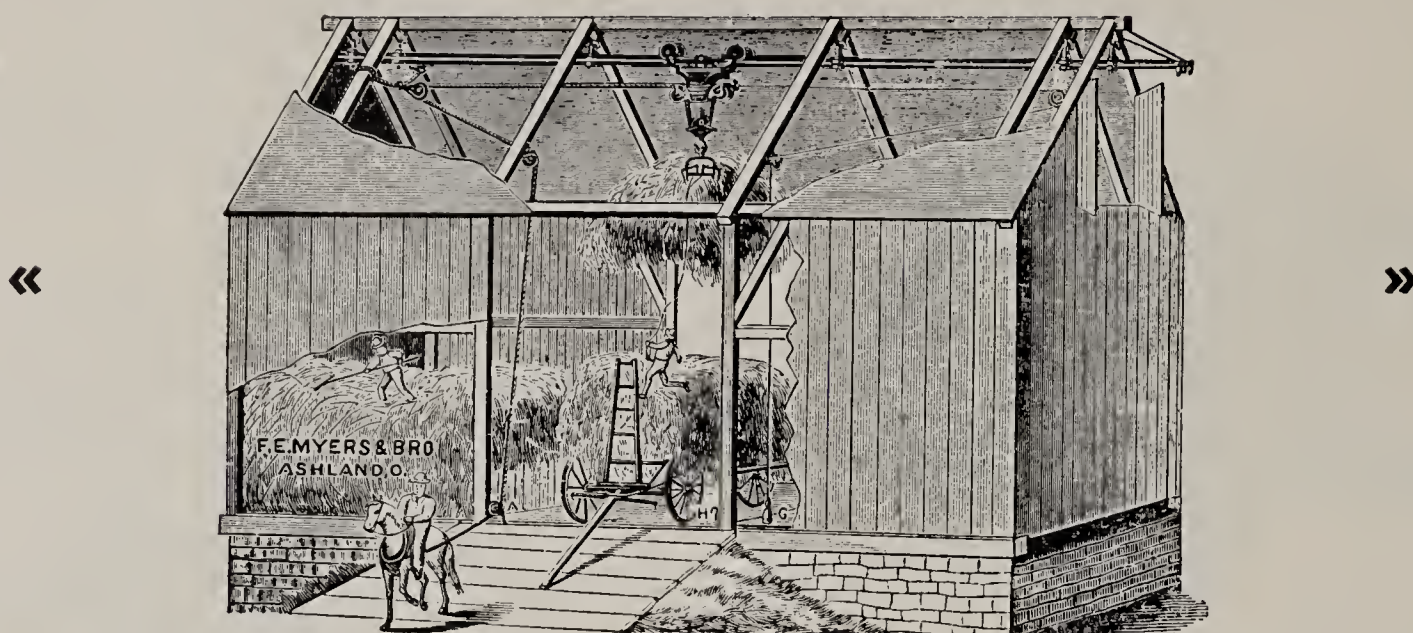


The most popular plow-type digger on the market. Just the digger for the small grower—in fact no farmer can afford to be without this digger, even if he raises only sufficient potatoes for his own consumption. In time and labor saving it pays for itself the first season.

Price on Application.



Myers Hay Unloader Outfit



The advantages of a hay carrier as a means of storing away hay or grain are so well known that it is not necessary to go into detail.

Material required for a 40 foot barn: One

Unloader, 36 ft. Steel Track, 19 hanging hooks, 19 rafter brackets, 5 knot passing pulleys, 1 fork, 6 floor hooks, 110 feet $\frac{3}{4}$ " Manila rope, 50 ft. $\frac{5}{8}$ " check rope, 40 ft. $\frac{3}{8}$ " reverse rope.

Prices on Application.

Planting and Picking Bags

Cyclone Seed Sower



No. 1

The bottom of bag No. 1, left open, is folded back and held secure by rope and hook. To empty, the rope is released which allows contents to flow gently into crate or barrel.

Price \$1.00 each. \$10.00 dozen

Price of Bag No. 2 75c each \$7.50 dozen



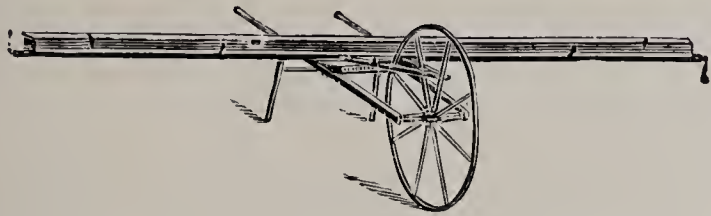
No. 2



Its well known Double Feed: insures a uniform flow of Seed. Slope Feed Board: keeps hopper properly filled. Feed Adjustment: is automatic and starts or stops flow of seed instantly. Triple Gears: are adjustable to take up possible wear. Distributing Wheel: is made of metal. Has an interlock hub. Scatters seed evenly—throws equal amounts to equal distance on each side of operator.

Price \$2.50 Net

Thompson Wheelbarrow Seed Sower

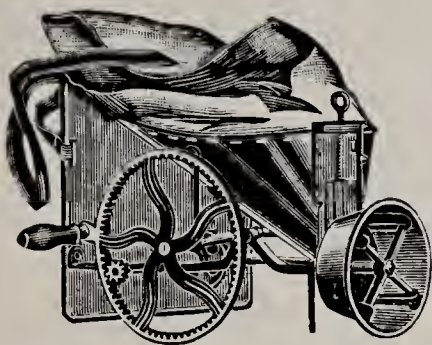


Sows timothy, clover, alsike, alfalfa, millet, turnip and various other seeds.

Price 14 ft. \$15.00 Net

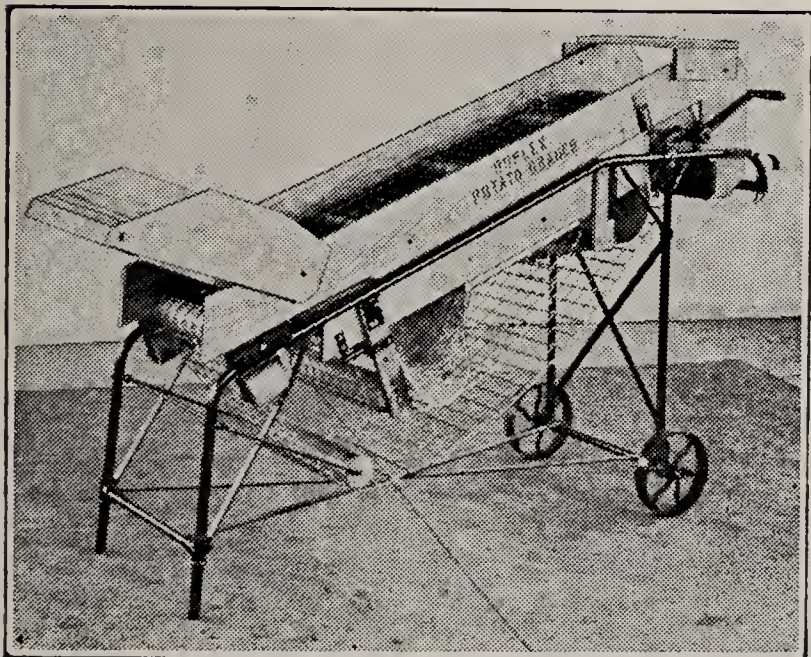
Grain box for above \$9.50 Net

Cahoon Broadcast Seed Sower



Price \$5.00 Net

Duplex Model AA Double Belt Grader

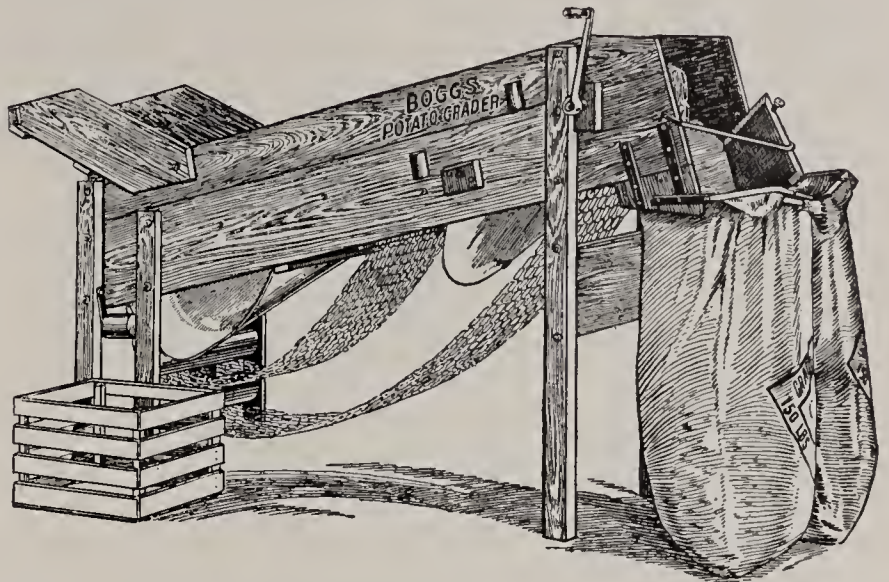


This grader is of conventional design, belt over a belt type grades two sizes and eliminates the culls. It is portable, mounted on two wheels, therefore it may be wheeled about from place to place with considerable ease. Has a quick acting and positive bagging attachment for the No. 1 size.

DUPLEX MODEL A with Side Elevator. The latest development in grading equipment, is equipped with a double bagging attachment for both the No. 1 and No. 2 sizes.

Prices on Application.

Boggs Standard Potato Grader

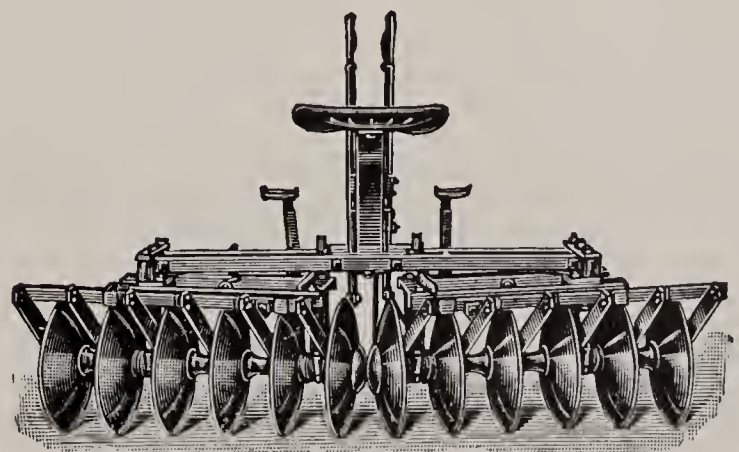


Boggs No. 3 machine permits long or round potatoes to be sorted and graded into No. 1 and No. 2 sizes with less than 3% variation in size from government grades, and cleans them of all dirt, trash and culls in one operation. No. 3 hand grader as illustrated has a capacity of 150 bushels per hour.

When large quantities of potatoes are to be graded, the power equipments will be found most advantageous. They not only have much greater capacity than the hand machine but effect a big labor saving.

Prices on Application.

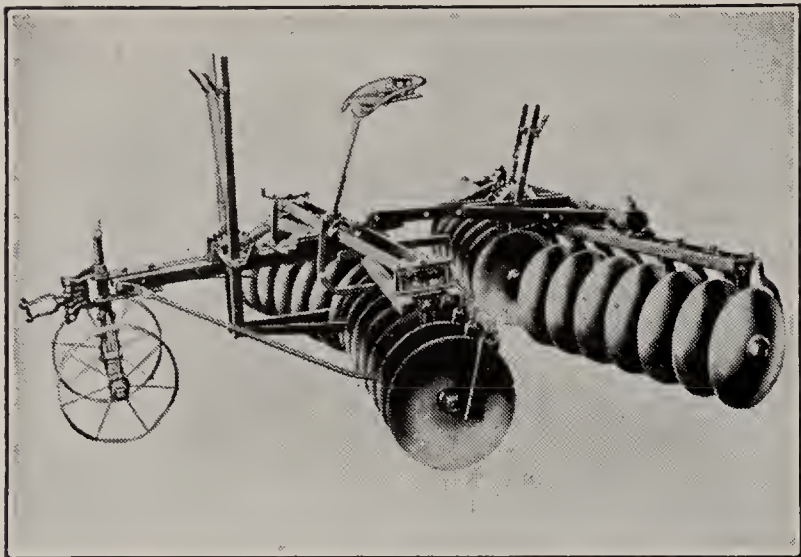
Ohio Disc Harrow



The construction of this harrow is of the very best. It is all steel even to the stub pole. There is a main or top frame to which the two sub-frames are attached by flexible connection which makes the harrow cover every inch of ground.

Prices on Application.

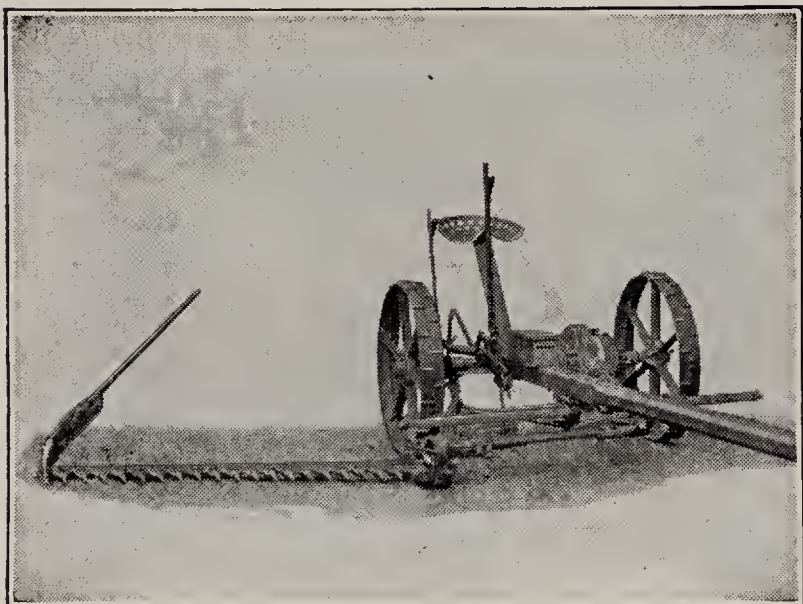
Ohio Tractor Disc Harrow



This harrow is substantially built, has sufficient weight and is so designed as to easily reach those clods just below the surface.

Prices on Application.

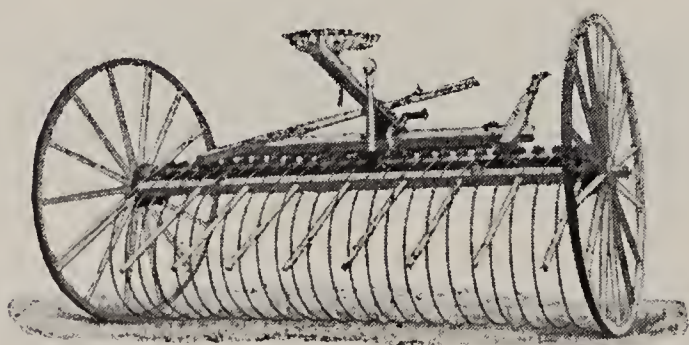
Thomas Two Speed Mower



Was invented to meet the need for a machine that would work equally well in heavy or very light hay.

Price on Application

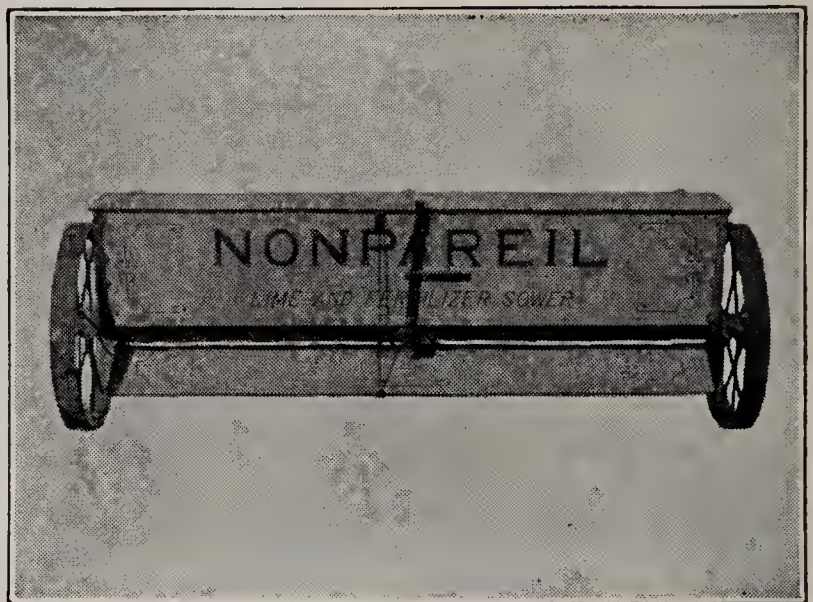
"Eddy Yankee" Horserake



Strength, durability, ease of operation, and clean raking qualities are some of the features that have made this type rake the favorite in the New England States. 8 ft., 25 tooth.

Prices on Application.

Nonpareil Broadcast Lime and Fertilizer Sowers

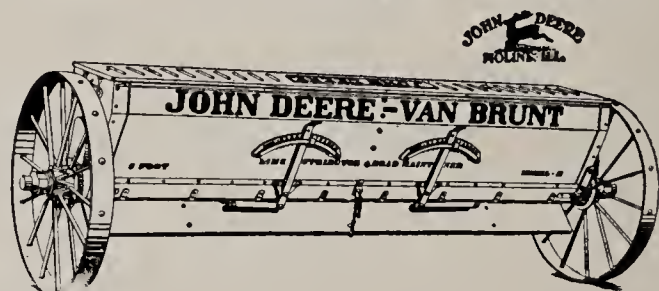


Are designed to handle all the different kinds of agricultural lime and commercial fertilizers in quantities ranging from 100 to 5000 lbs. per acre.

5 ft. size for 1 horse. 8 ft. size for 2 horses.

Prices on Application.

John Deere--Van Brunt Lime and Fertilizer Sower



Covers 8 feet of ground; carrying capacity 10 bu. Direct wheel drive—each wheel drives half the machine.

One of the best features of this sower is the simple feed control which enables you to distribute crushed lime rock, commercial fertilizers and other materials in quantities from 150 to 8000 pounds per acre. Half of the mechanism can be disengaged for sowing narrow strips.

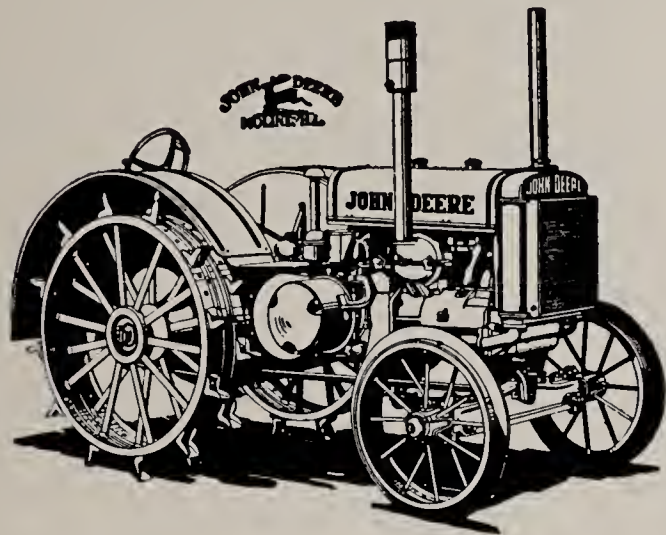
Price on Application



John Deere Model A Tractor drawing a Hoover two row potato digger on the farm of A. E. Fowler, Westfield, Mass. Mr. Fowler has used John Deere Tractors for many years.

JOHN DEERE TRACTORS

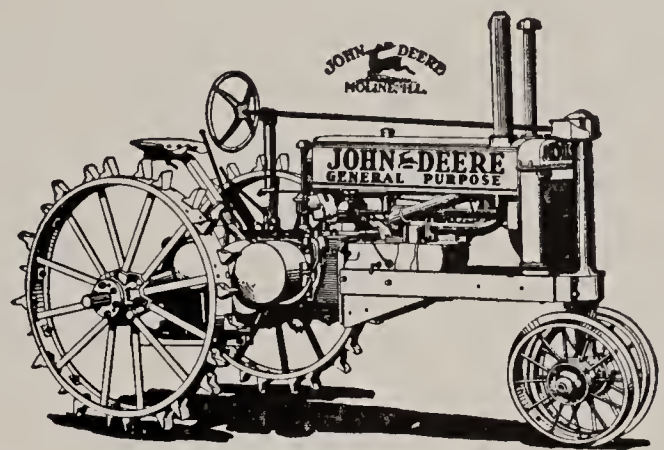
Save \$1.00 to \$2.00 a day in fuel costs alone because they successfully burn distillate and similar low cost fuels. Distillate costs much less than gasoline. Distillate produces more power (more work) per gallon.



Model D for the heavier farm jobs. It is a powerful tractor—handles three or four bottom plow.

1935 Model has three forward speeds, low $2\frac{1}{2}$, second $3\frac{1}{2}$, and high 5 miles per hour. Also many other improvements you will appreciate.

Price on Application



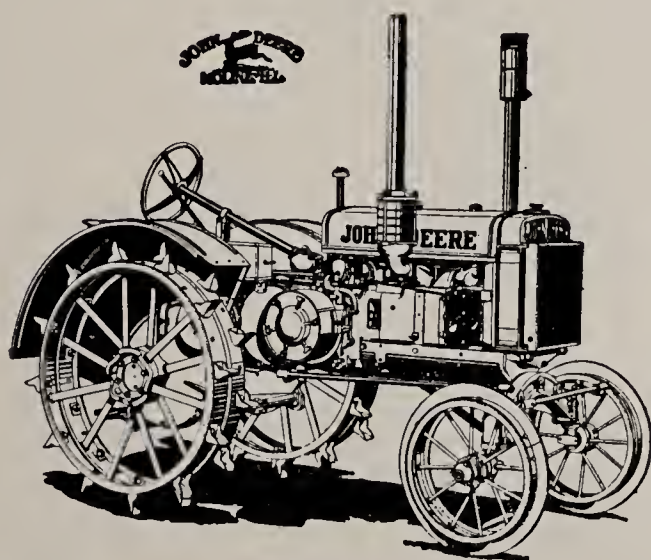
Model A.—Today's outstanding tractor value for the row-crop farmer.

The two plow tractor with adjustable wheel tread. Four speeds: First $2\frac{1}{3}$; Second $3\frac{1}{3}$; Third $4\frac{3}{4}$; Fourth $6\frac{3}{4}$; Reverse $3\frac{1}{2}$ M. P. H. Tread 56 to 80 inches.

Price on Application

Model B. is practically a duplicate of the Model A, being approximately two-thirds its size. For smaller farms and lighter work on big farms, has ample power for one sixteen inch plow or two ten inch plows. Two-row planter or two-row cultivator.

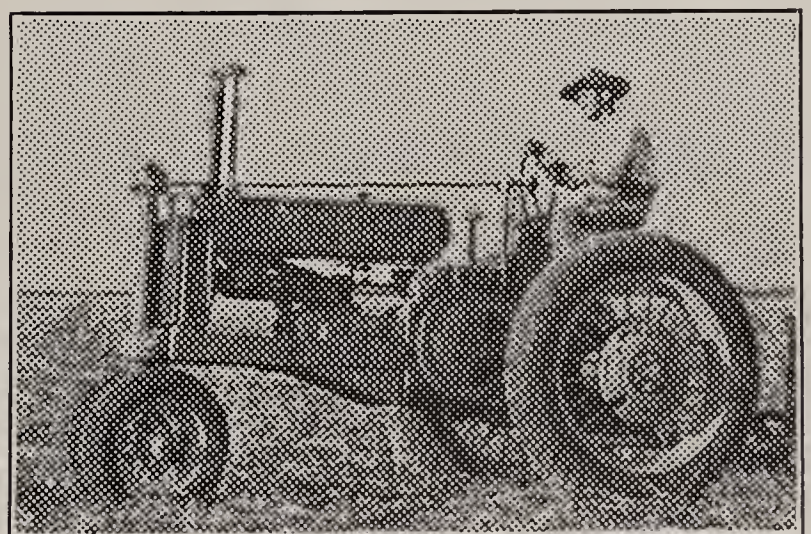
Price on Application



Model G.P.—The Two Plow Tractor of four-wheel standard tread type which plants and cultivates three rows at a time. Besides the power lift, which is furnished as an extra, this tractor can be used for drawbar, belt, and power take-off service.

Price on Application

Firestone Low Pressure Tractor Tires

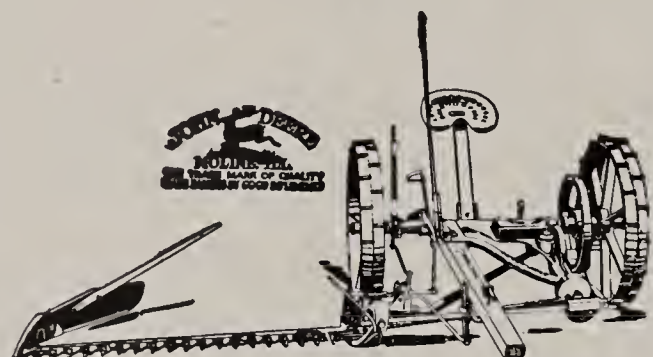


- 27% more acres plowed
- 24% savings in fuel
- 33% longer life of tractor
- 50% reduction in repairs

We can furnish wheels and tires for any make tractor.

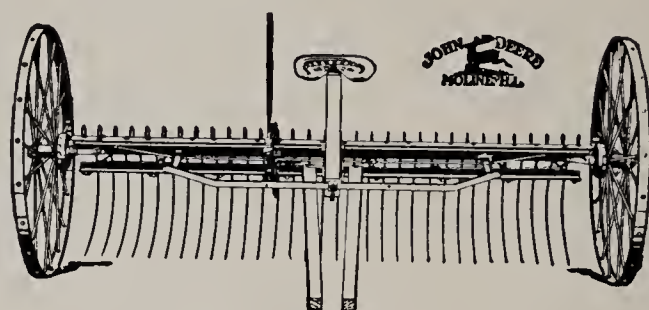
Prices on Application.

John Deere Highlift Mower New John Deere--Steel Sulky Rake



An extremely simple mower with a high, easy lift. Bar raised with foot lift amply high to pass over ordinary obstructions, with hand lift bar raised extremely high. A boy can operate it. Special arrangement of simple driving gears prevents sidestrain and undue wear on bearings. Maximum power delivered to carefully made and accurately fitted knife. Location of pinion on crank shaft prevents end thrust. Bar attached to wide yoke insures instant starting. Cutter bar floats and has great flexibility. All adjustments and repairs quickly and easily made with ordinary tools.

Prices on Application.

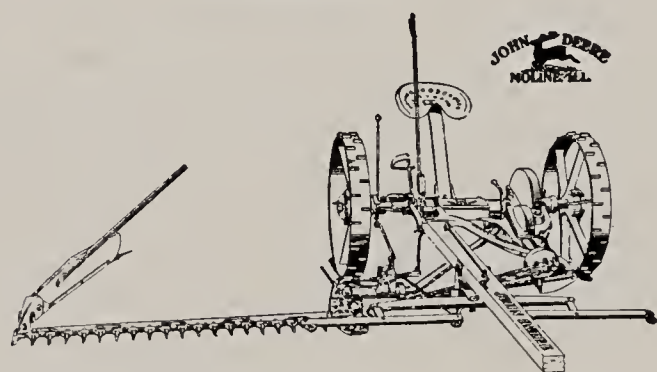


The rake that gives years of service. Wheels interchangeable, and dump rods reversible, giving extra wear without repair expense. There is no hay too heavy or too light for the John Deere Sulky Rake. It will do the kind of work desired under all conditions.

8 ft. with 24 teeth; 9 ft. with 28 teeth;
10 ft. with 32 teeth.

Prices on Application

John Deere Enclosed Gear Mower

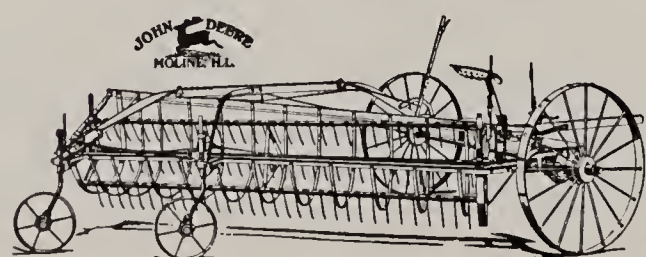


The high lift mower that oils itself. Six quarts of oil in the gear case and one pint of oil in each wheel-hub chamber provide ample lubrication for the average season's cutting.

Made in 4½, 5 6, and 7 foot sizes.

Prices on Application.

New John Deere Side-Delivery Rake



This is the latest development in side-delivery rake construction. Its floating cylinder and universal joint drive cause the hay to be "floated" gently into loose, fluffy windrows, leaves inside, stems out. It makes the John Deere Way of Making Hay of even greater value to the hay grower which means a better quality of hay and bigger profits.

Price on Application

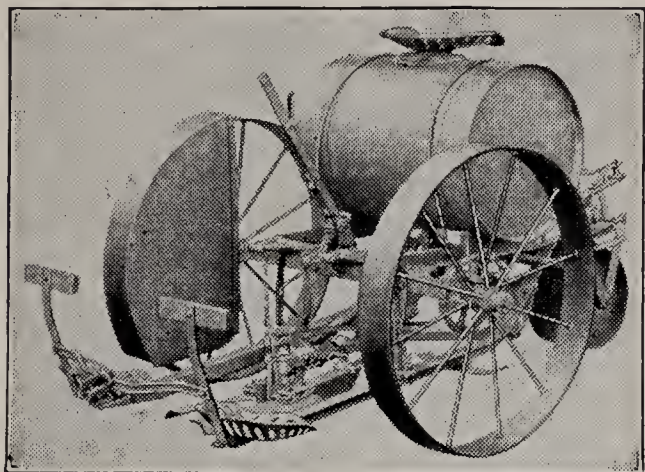
John Deere Single-Cylinder Windrow Hay Loader



Very light draft and minimum number of working parts. Single drum mounted directly on the axle. Hinged carrier makes loading easy in windy weather. Furnished regularly with fore-carriage—no lifting is necessary when coupling to wagon. Extra strong, well braced frame with hot-riveted corner plates. Gets all the hay when properly raked into windrows. Handles alfalfa and clover without knocking off valuable foliage parts. Capacity ample for all side-rake windrows. Made in six foot width with fore-carriage.

Price on Application

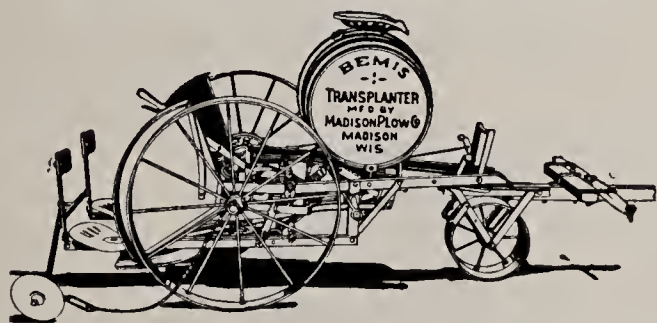
New Improved Tiger Transplanter



The lifting lever works on an eccentric. A child can lift the weight of two men and when the lever is operated it automatically throws machine out of gear. Simply and strongly made with these new improvements this machine is rapidly coming into favor with discriminating buyers. This machine has 1½ inch water connections. The flow of water is under perfect control and can be regulated to deposit as small a quantity as desired, or to discharge one pint to each plant.

Price on Application

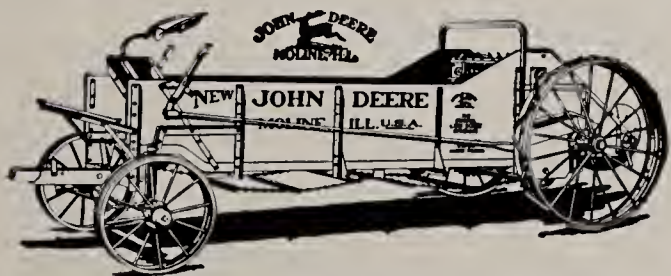
Bemis Transplanter



Thirty-five years of practical experience is embodied in the Bemis. Nearly every tobacco farm in the Connecticut Valley is equipped with one or more of these implements.

Price on Application

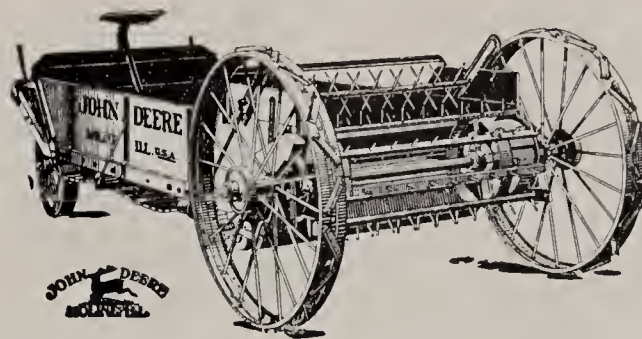
New Improved John Deere Spreader



Has a tight bottom, with the beater on the axle and cushion-spring front bolster construction. Low, easy, loading box, is only hip high. High drive wheels, roller bearings on all three beaters, new type non-wrapping spiral beater, non-wrapping four-bar upper beater, and fewer moving parts assure light draft.

Price on Application

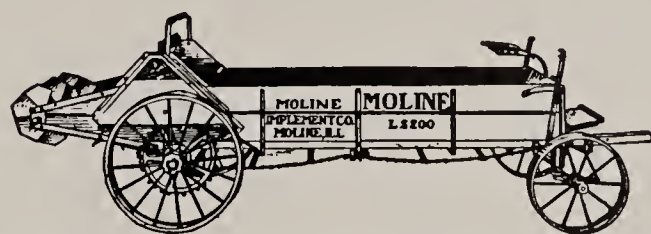
The Old Reliable John Deere Spreader



Meets the most exacting requirements of the farmer who prefers the single beater, endless apron type of spreader.

Prices on Application

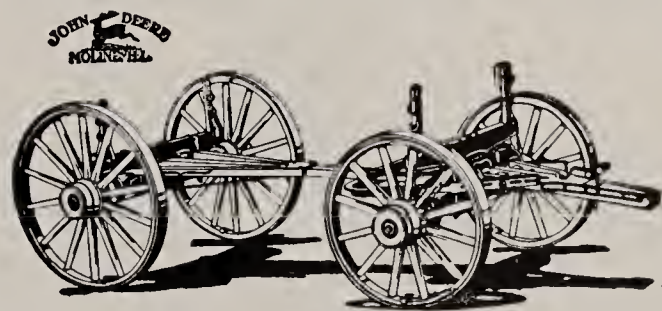
Moline No. 200 Manure Spreader



A new sturdy, but light weight spreader, simple in design. 50 bushel size with 2 horse hitch.

Price on Application

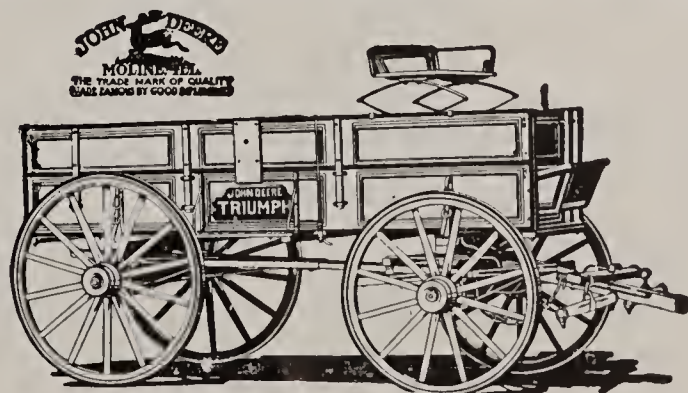
John Deere Farm Truck



In price, strength, draft and finish, John Deere farm trucks give exceptional satisfaction. They stand hard usage year after year because they are built right and in a factory that has an established reputation for making only the best.

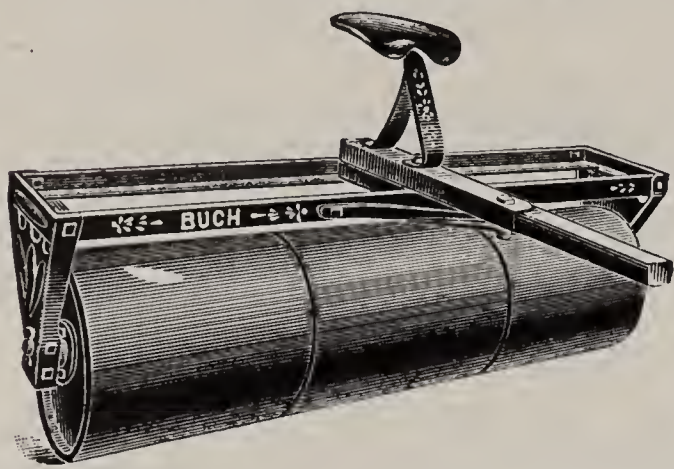
Prices on Application

John Deere Triumph Wagon



Prices on Application

Steel Land Roller



Drums of No. 12 gauge High Carbon Steel with Closed Pressed Steel Heads. Angle Frame—High Carbon Steel—3 x 3 x $\frac{5}{16}$ inches.

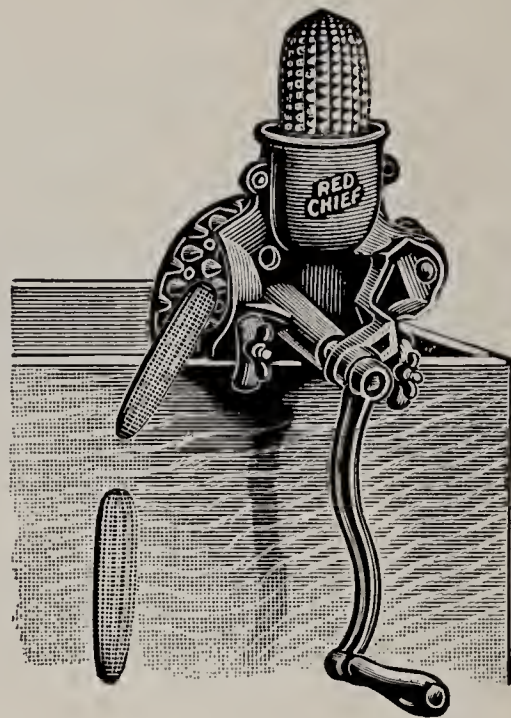
Axles—1 $\frac{5}{8}$ inch round.

Hangers—Heavy Wrought Steel with Hardwood boxings.

Built in two or three sections. Tractor hitch furnished if desired. Length 8 feet. Diameter of drum 24 inches. Weight 535 lbs.

Price on Application

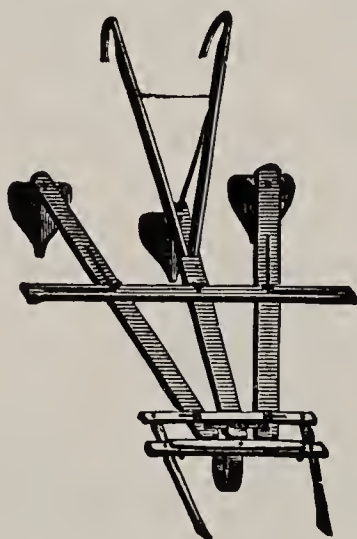
Red Chief Corn Sheller



Substantial but low priced, made of iron, painted red. Can be attached to a barrel or box adjustable for large or small ears.

Price \$2.50 Net

Goslee Imp. Field Marker



Is designed to mark out rows any width for any crops grown in rows. Teeth are adjustable to any size and depth drill.

Price on Application

Jumbo Feed Mill



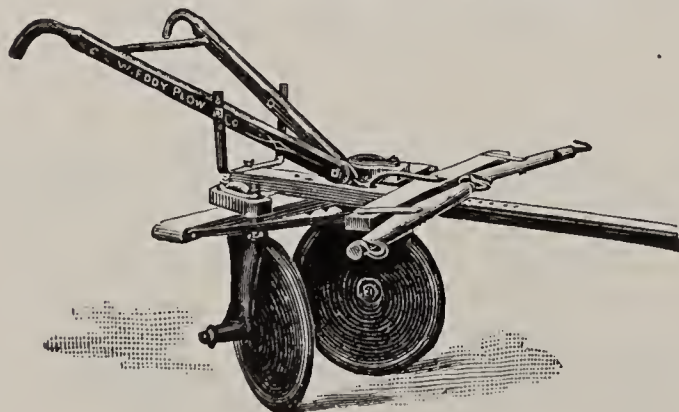
Is designed to work with tractor and engines from eight horse-power to thirty horse-power. You may operate it at 1500 revolutions per minute, and it will give good, dependable service, grinding 110 bushels of cob meal an hour.

The seven ball end thrust bearing easily absorbs the entire end thrust of the mill when running at this speed.

The two spout bagging elevator will attach easily and quickly. Feed is automatically diverted to other spout when one bag and spout are filled.

Prices on Application

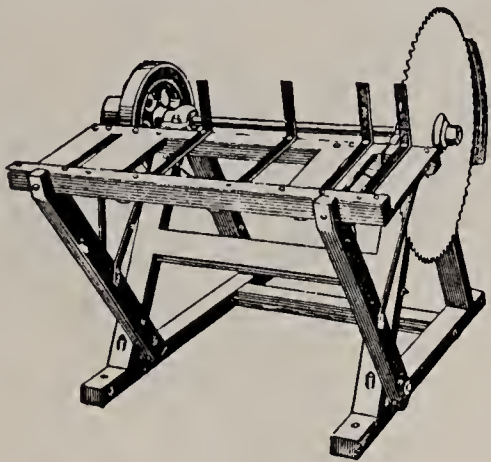
Eddy Disc Hiller



Is not restricted to the use of hilling and covering potatoes only, but can be used for many other crops, such as asparagus, celery, corn, beans, berries, grapes, etc. Has 20" discs made of best harrow steel properly tempered.

Price on Application

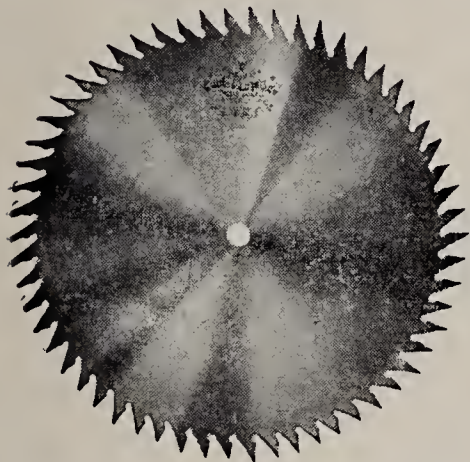
Jumbo Saw Frames



No. 700. With Tilting Table. Built especially for sawing cord wood. Mandrel of finest cold rolled steel $1\frac{7}{16}$ " dia., 49" long—fitted for saw with $1\frac{3}{8}$ " hole. Flywheel is accurately machined and carefully balanced, $15\frac{1}{2}$ " dia., weight 65 lbs. Standard pulley size 6 x 6".

Prices on Application.

Guaranteed Cord-Wood Saws



Always run the saw at proper speed, too high or too low is equally bad.

Dia.	No. teeth	Speed
20"	52	1800
22"	56	1636
24"	60	1500
26"	64	1384
28"	70	1285
30"	76	1200

Prices on Application.

Mountville Red Rubber Belting

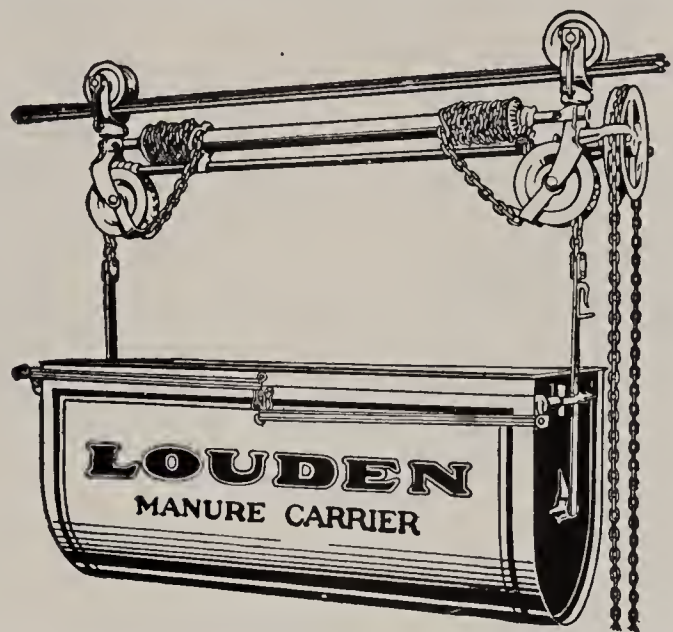
For Industrial and Agricultural Machinery

Good belting plays an important part in the successful operation of any kind of power machinery. Mountville Red Rubber Belting is made of 32 ounce duck and a high grade rubber compound which prevents its being affected by moisture. Stretching and shrinking are reduced to a minimum, and it remains flexible winter and summer. No breaking-in is necessary and its modern friction surface construction enables it to pull a full load without excessive tension.



Prices on Application.

The Louden Litter Carrier



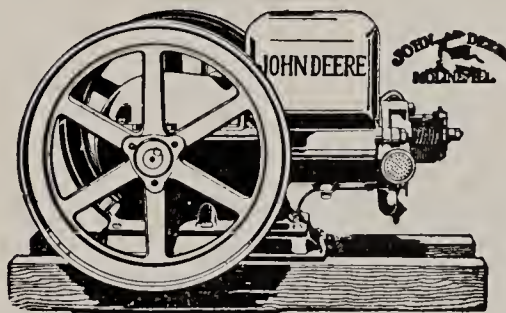
We believe this to be by far the greatest litter carrier ever built. Made to handle heavy loads of wet manure easily, safely and for many years.

Tub is water tight, full 12-bushel capacity. The worm gear hoist on this Louden Carrier is built on the same principle as the highest industrial hoists. It is far superior to the dangerous, troublesome brake and ratchet type.

Load hangs squarely under the track with minimum wear on trolleys. Roller bearing wheels. Sturdy steel track, good for a lifetime. Tub trips from either end. In every respect a quality carrier. Close comparison with any other merely emphasizes its outstanding superiority. Prices and complete description gladly furnished. Ask for them.

John Deere Type E Farm Engine

Contains the greatest improvements in engine building made in years. All important working parts fully enclosed in dust proof case are oiled automatically. Magneto equipped $1\frac{1}{2}$, 3 and 6 Horse Power.



Price on Application.

Columbia Tape Marked Pure Manilla Rope

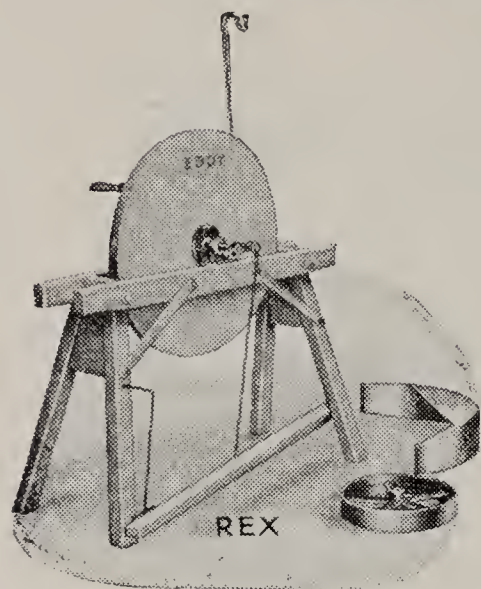


Guaranteed for high quality, strength, durability and service and in proof of its genuineness, branded with a red, white and blue tape marker.

We carry in stock sizes from $\frac{3}{8}$ " to 1".

Price on Application.

Rex Grindstones



The journals are of the improved hardened steel ball and race type of specially treated steel. Frame which is securely braced and bolted is made of well-seasoned hardwood.

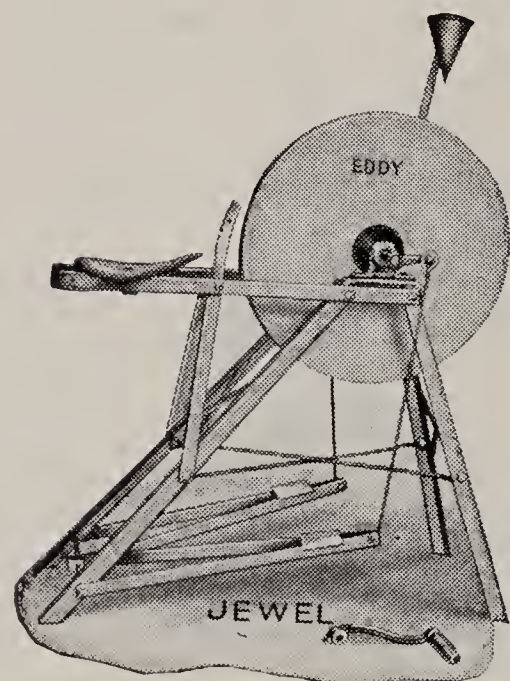
No. 20 size 20" dia. by 2" to 2¼" face
Net Price \$10.00

No. 24 size 24" dia. by 2¼" to 2½" face
Net Price \$11.00

No. 28 size 28" dia. by 2½" face
Net Price \$12.00

Power pulley 10" dia. 2½" face
Net Price \$2.00

Jewel Grindstones

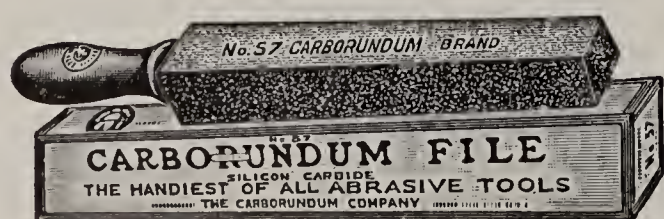


This stone comes equipped with two pedals, adjustable seat, crank and drip cup.

No. 22 size 22" dia. by 2" to 2¼" face
Net Price \$10.50

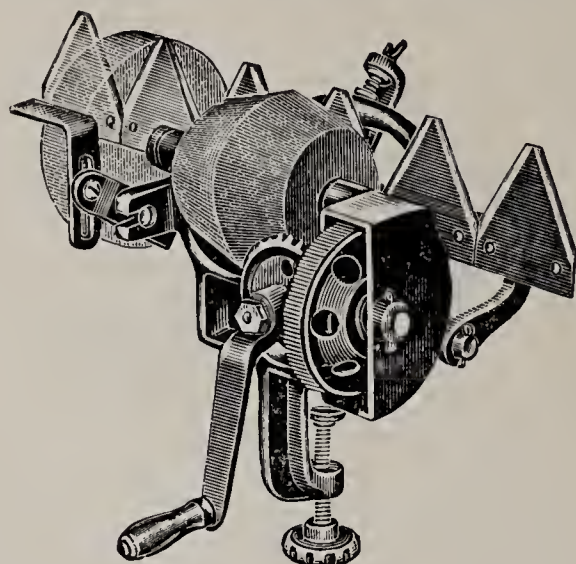
No. 24 size 24" dia. by 2¼" to 2½" face
Net Price \$11.00

Carborundum File



Carborundum File 14 in. long. Price \$1.00.
Mighty handy for the farmer or gardener.

Modern Grinders



Model G. Machine cut drive gears enclosed. Can be clamped to mower wheel.
Net Price \$7.50

Model MX No. 3. A high grade, low priced sickle grinder.
Net Price \$5.00

Carborundum Fast Cutting Scythe Stones



No. 190	10x1x ⁵ / ₈	Price 25c
No. 191	12x1¼x ³ / ₄	Price 35c
No. 192	10x1¼x ³ / ₄	Price 30c

Aloxite Scythe Stones



Aloxite Scythe Stones must not be classed with ordinary scythe stones.

No. 188—10x1⁵/₁₆x⁹/₁₆. Price 20c.

No. 188R—10x1⁵/₁₆x¹¹/₁₆. Has steel wire in center. Price 25c.

Common scythe stones, 15c.

Complete Stone Boat

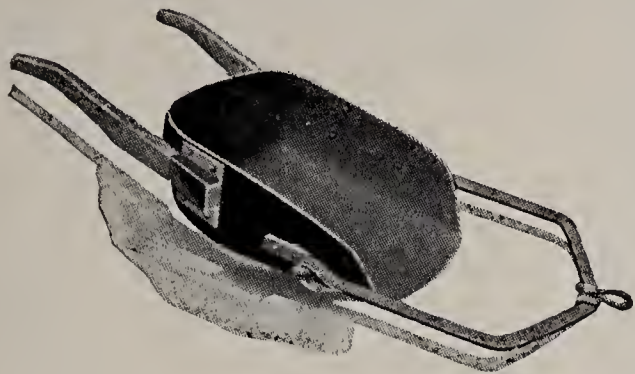


Handiest implement on the farm. The front is of high grade carbon steel 34 in. wide, firmly bolted and braced to the raves and bottom boards, which are hardwood. Price \$16.00 Net.

Stone Boat Heads

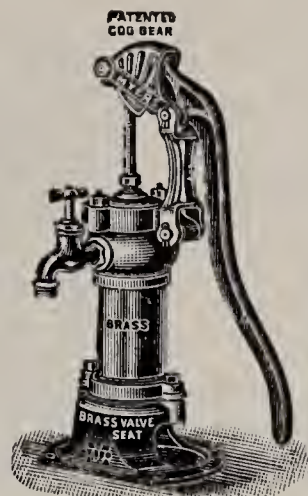
Cast Iron 32 in. with bolts.	Price \$7.00.
Steel 34 in. with bolts.	Price \$6.00.

Steel Drag Scrapers



No. 3	3 Cubic Ft.	\$9.00 Net
No. 2	5 " "	9.50 Net
No. 1	7 " "	10.00 Net

Axes, Hatchets, Sledges, Wedges, Etc.



Myers Cog Gear House Force Pump

With three-inch seamless drawn brass cylinder, plain brass valve seat and hinged check valve.

No. R414. Price \$7.00

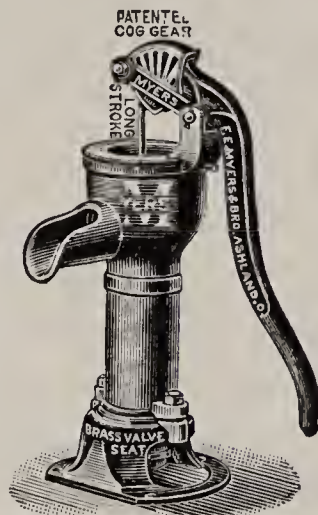
Net Cash Price \$6.65

Myers Cog Gear Pitcher Pump

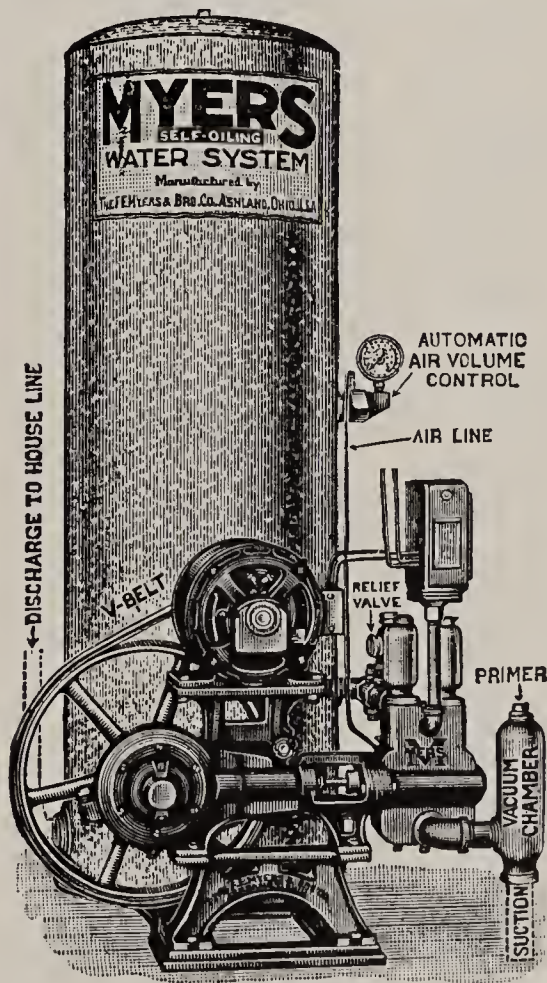
Fitted with brass valve seat. Long stroke. Large capacity. More water with 33 1/3 % less power required to operate.

No. R416. Price \$4.25

Net Cash Price \$4.04



Myers Self-Oiling Home Water System

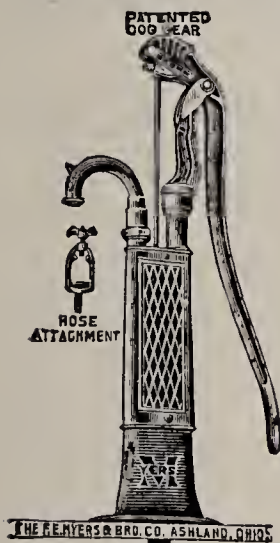


Complete automatic control. No personal attention necessary. Designed for operation from any kind of city current or from farm lighting and power systems. For use in cisterns or shallow wells up to 22 feet to low water level. Capacity 340 gallons per hour. No. 909AT. Price \$74.75.

Net Cash Price \$71.00

SEND FOR OUR COMPLETE CATALOG OF PUMPS AND WATER SYSTEMS.

Myers Cog Gear Submerged Cylinder Double Acting Force Pump



For use in drilled or open wells up to 150 feet in depth. Anti-freezing. No. R72 as shown, with brass lined lower cylinder. Price \$18.50.

Net Cash Price \$17.58

Myers Cog Gear Lift Pump

Anti-freezing, with brass lined cylinder. Can be used on deep wells.

No. R1052. Price \$11.50.

Net Cash Price \$10.93





"LOOK INTO IT"
TRADE MARK REGISTERED

You must paint—how often you must do it depends upon the paint you use. For long wear and all around satisfaction, we recommend

B. P. S. Paint.

We know that it is ground fine and works so easily under the brush that you can paint with two to three gallons less than with a cheap per-gallon paint. With B. P. S. Paint you will

*Use Less to
Do More...*

The labor usually costs three times as much as the paint, so be sure to employ a good painter. Good judgment in applying is as necessary as good paint.

We carry a full line of B. P. S. Finishes and will be glad to furnish color cards and estimates.



2½ lb. pkg.	.30
5 lb. pkg.	.50
8 lb. pkg.	.70

Rutland Roof Cement

No. 4 BLACK	
1 lb. can	\$.20
5 lb. can	.65
10 lb. pail	1.10
25 lb. pail	2.25
50 lb. pail	4.00
100 lb. drum	7.50



**GIVE YOUR HOUSE
A NEW DEAL**



RE-ROOF NOW!

WHEN you fear that the next rain will make your roof leak, it's time to give your house a New Deal! But choose your next roof carefully—get the type which will cost the least per year of service.

We sell Carey Shingles and Roll Roofings—products which are backed by over 60 years of successful roofing experience. Get our low price on the kind which will give the best appearance and longest life.



**Carey
ROOFINGS
AND SHINGLES**

Rutland Black Roof Paint

Is a fibreless asphalt paint. It does not contain coal tar.

1 gal. can	\$.75
5 gal. can	3.00
25 gal. can	13.50
50 gal. bbl.	22.00

Rutland Asphalt and Asbestos Roof Coating

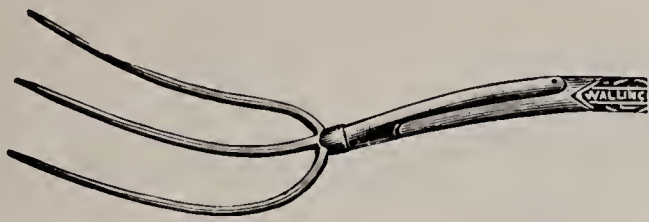
Is for repairing and renewing old roofs. Will work equally well on metal, paper, or composition roofs.

It also is used for waterproofing the outside of foundation walls.

1 gal. can	\$.75	5 gal. can	\$3.00
25 gal. can	13.50	50 gal. bbl.	22.00



Long Three-Tine Hay Forks



Wallingford Brand—Plain Ferrule

4 ft. handle	13 in. tine	\$1.20
4½ ft. handle	13 in. tine	1.25
5 ft. handle	14 in. tine	1.35

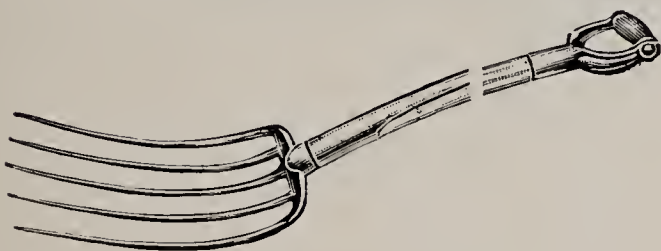
Wallingford Brand—Strap Ferrule

5 ft. handle	14 in. tine	\$1.45
5½ ft. handle	14 in. tine	1.50
6 ft. handle	14 in. tine	1.55

10% Discount in Dozen Lots.

Manure Forks

Wallingford Brand



4 Tine	5 Tine	6 Tine
Long Handle Common Ferrule		
\$1.35	\$1.50	\$1.65
Long Handle Strap Ferrule		
\$1.45	\$1.60	\$1.75
Mal. D. Handle Common Ferrule		
\$1.35	\$1.50	\$1.65
Mal. D. Handle Strap Ferrule		
\$1.45	\$1.60	\$1.75
Wood D. Handle Common Ferrule		
\$1.60	\$1.80	\$1.90
Wood D. Handle Strap Ferrule		
\$1.70	\$1.90	\$2.00

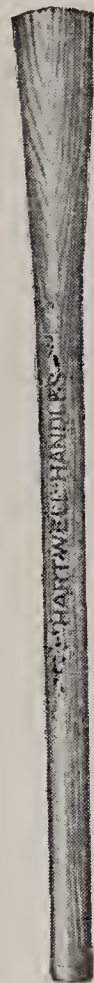
Steel Manure Hooks

Wallingford Brand

Bent Head—Oval Tines

4 tine	5 ft. handle	\$1.20
5 tine	5 ft. handle	\$1.35

Cutter Mattocks



5 lb. 80c

6 lb. 85c

Pick Mattocks



5 lb. 85c

6 lb. 90c

Railroad Picks



6 lb. 75c

7 lb. 80c

8 lb. 90c

Grub Hoes



4 in. wide

85c



Axe Handles 35c, 50c, 60c
Mattock and Pick Handles 40c, 45c

Three Power Forester



No. 1—20" long. Capacity 1⅜ in. Especially designed for the fruit grower.

Price \$4.25

No. 2—27" long. Capacity 1½ in. Suitable for forest priming, brush and shrub cutting.

Price \$5.50

No. 3—34" long. Capacity 2 in. An amazingly powerful tool.

Price \$7.00

Standard Wedges



4—5—6 lb.

10c per lb.

Wallingford Brand Grade A Tobacco Hoes



8" x2½"	\$1.15	9½" x2½"	\$1.30
8½" x2½"	1.20	10" x2½"	1.35
9" x2½"	1.25	11" x2½"	1.50

10% discount in dozen lots.

Full Polish Round Point Shovels



Plain Back No. 2	\$1.50 each
Plain Back No. 3	1.60 each

Square point—same price.

Wallingford Brand Field or Garden Hoes

8" x3¾"	\$1.15	9" x3¾"	\$1.20
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Black Round Point Shovels Hollow Back

No. 2	\$1.10
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Full Polish No. 2 Garden Spade, \$1.50



Black No. 2 Garden Spade	\$1.00
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Steel Garden Rakes



14 teeth	75c	16 teeth	80c
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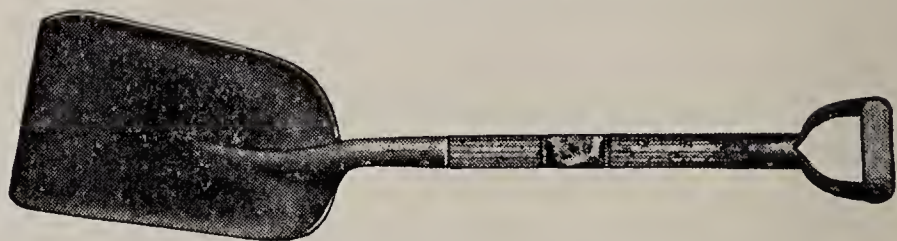
Spading Forks



Strap Ferrule

4 tine	Long Handle	\$1.50
4 tine	Mal. D. Handle	1.50
5 tine	Long Handle	2.00
5 tine	Mal. D. Handle	2.00

Snow or Barn Shovels



No. 2	Long Handle	60c
No. 2	Steel D Handle	65c
No. 2	Split D Handle	75c

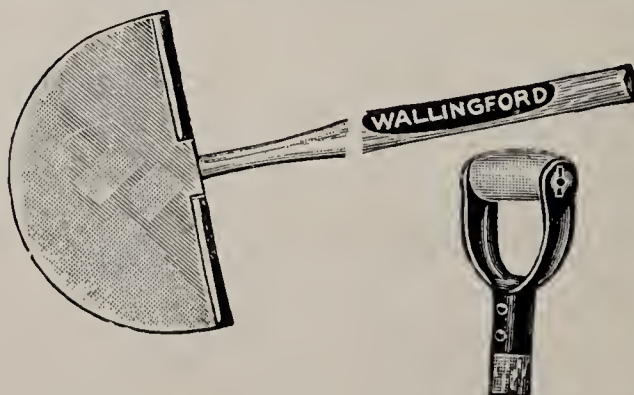
Brume-Rakes



22 Spring Steel Teeth

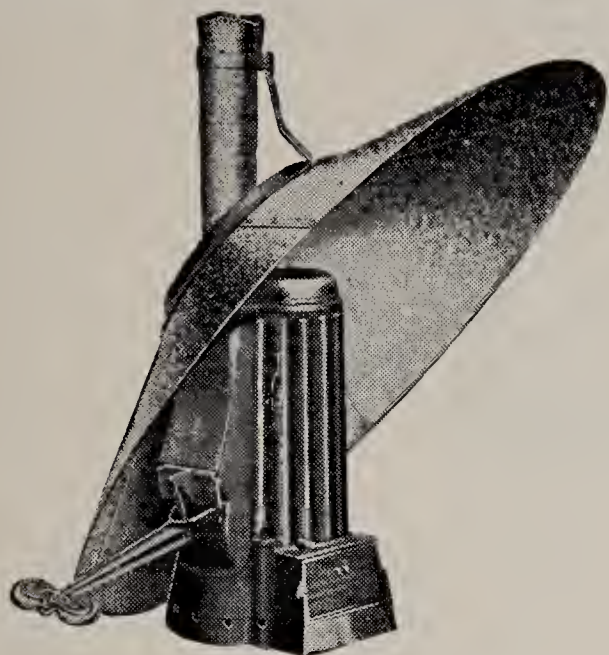
85c

Flat Top Turf Edger



Steel "D" Handle Socket Pattern	95c
Long Handle Shank Pattern	95c

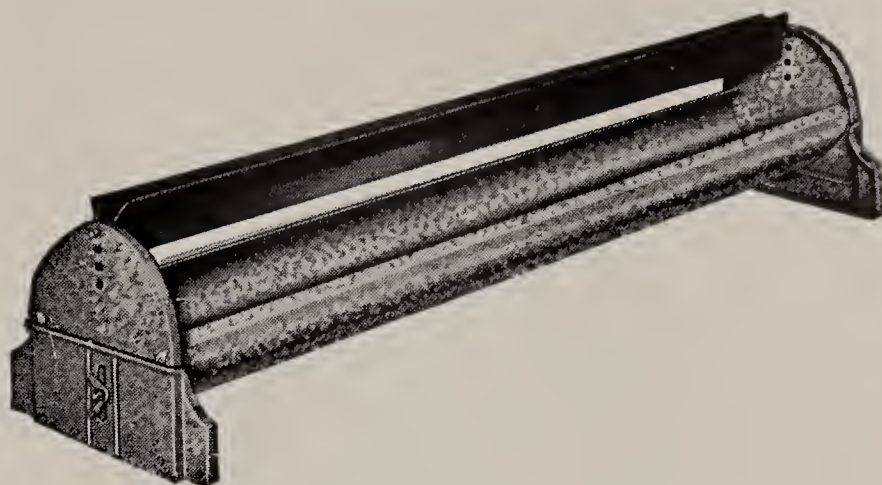
Makomb Giant Coal Brooders



Square base and ashpit of greater capacity. New type coal door hinge, eliminating binding or poor fit.

Prices on Application.

Adjustable Chick Feeder Reel Type



This new attractively designed feeder supplies the growing demand for a reel type inexpensive feeder, suitable for day old to six weeks old chicks.

Sizes 24 in., 36 in., 48 in.

Prices 50c, 75c, 95c

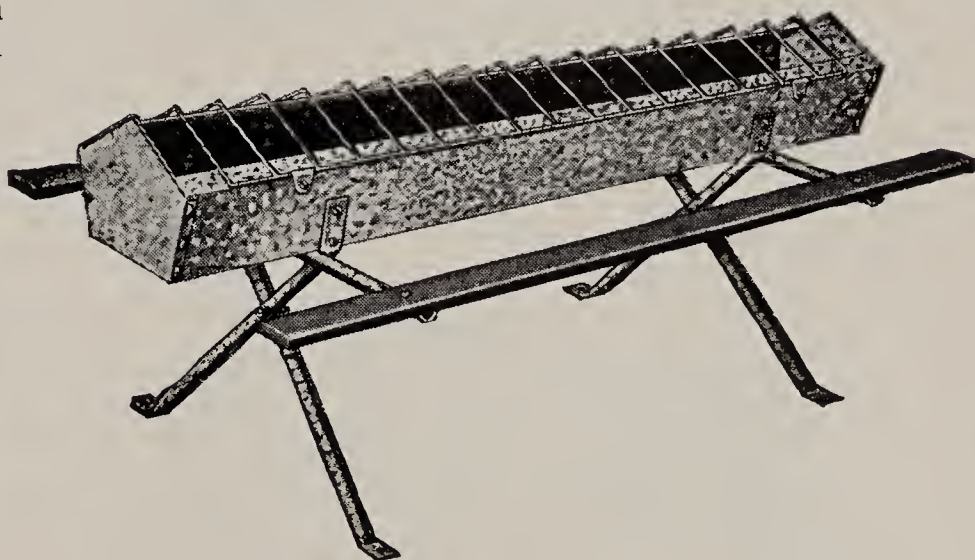
Lowell Oil Burning Brooders

The secret of the success of the Lowell Stove rests in the perfectly functioning valve and powerful specially designed burner which is so efficient that it will burn equally well kerosene or cheap fuel oil (distillate).

Sizes from 200 to 1500 day old chicks.

Prices on Application.

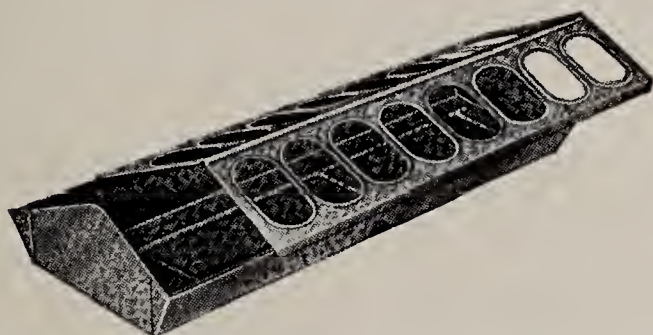
Range Feeder with Grill Type Guard



Hinged to permit easy cleaning and filling. 4 ft. Feeder (with perch and legs).

Price \$2.50

Slide Top Chick Feeders

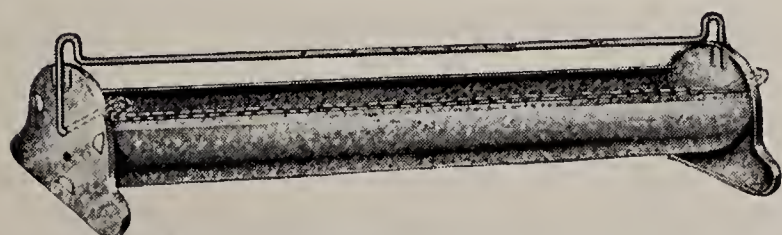


These popular priced feeders are made of galvanized steel.

10" size, 16 holes Price 12½c

20" size, 30 holes Price 20c

Chick Feed Troughs

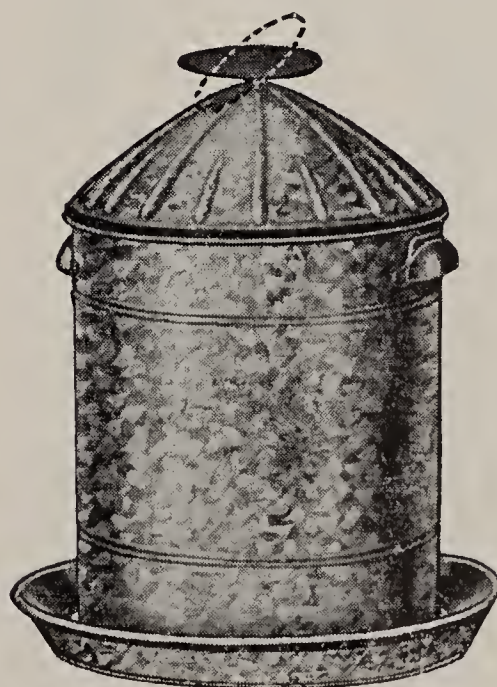


Attractively designed and die formed. Turned in flange at trough prevents feed waste.

Sizes 12 in., 18 in., 24 in.

Prices 15c, 20c, 25c

Double Wall Fountains



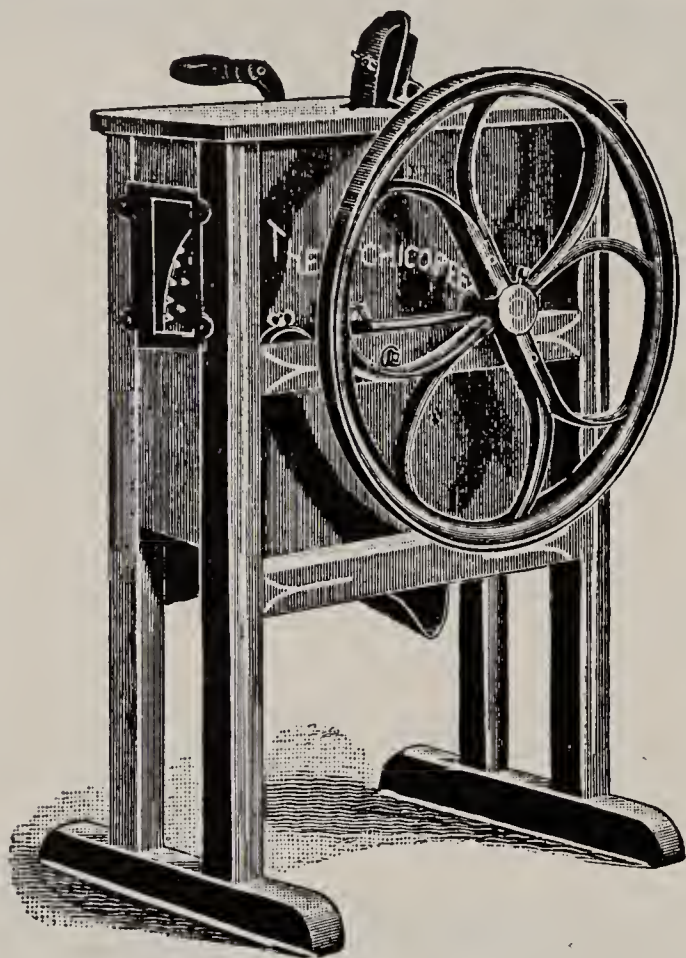
Top filled. Feeds automatically.

Sizes 5 and 8 gallons.

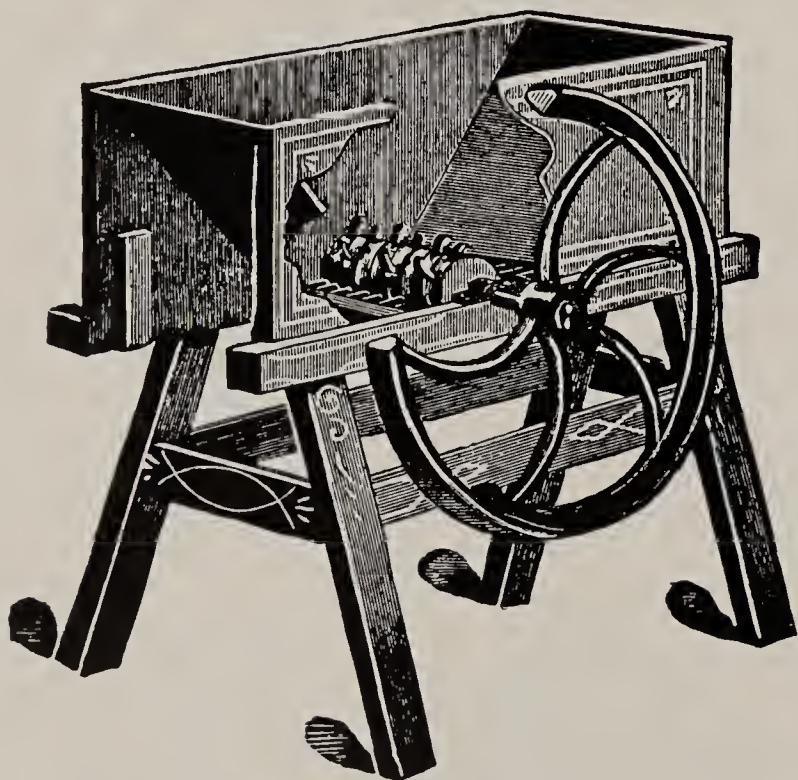
Prices on application.

Corn Shellers

Chicopee—One Hole—hand (as shown).
Price \$10.00 Net Cash Price \$9.50
Chicopee—Two hole—power.
Price \$22.50 Net Cash Price \$21.37
Lion—One hole—hand.
Price \$11.00 Net Cash Price \$10.45



Champion Vegetable Cutters



This is one of the best machines on the market for cutting all kinds of vegetables. It is made with a wrought shaft with sections of knives fastened to it, and arranged so that a rotations of knives is continually passing a bed knife with cross knives passing between the sections of knives; cutting always near the center shaft, making it cut easy and fine enough for cattle or sheep; also making a very regular cut.

This machine will cut sixty bushels an hour.
Price \$12.00 Net Cash Price \$11.40

Handy Fill Fountains



A very substantial bottom fill fountain of the two-piece construction. Extra heavy drinking pan which locks to the tank by means of heavy snap hooks. Sizes 1, 2 and 3 gallons.

Prices on Application.

Atlantic Motor Oils

You've heard of the new exclusive process developed by the Atlantic Refining Company. In giving its Motor Oil this amazing High Film Strength (greater even than pure castor oil) Atlantic has made the greatest improvement since the invention of the automobile. High Film Strength (only Atlantic Motor Oils have it) keeps your motor young; the strong film of Atlantic Oil keeps engine surfaces apart and prevents the costly metal to metal contact that leads only to one sad end—new piston rings or other expensive repairs. In preventing what was up to now normal wear Atlantic High Film Strength Motor Oils not only help you save money on repair bills but will retain new car performance.

Give it a real trial. We know the correct grade for your automobile, tractor or farming equipment.

Atlantic High Film Strength Motor Oils cost no more than out-of-date motor oils.

KEEP UPKEEP DOWN

1 gallon and 5 gallon cans
30 gallon and 50 gallon drums.

Prices on Application.

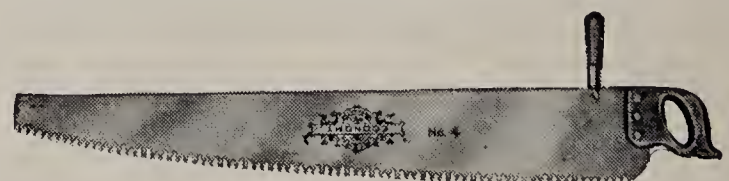
One Man Tuttle Tooth Saw No. 390



Made of Silver Steel. Ground to run free and easy. Polished hard wood handle, easy grip.

Length—feet	3	3½	4
Price	\$3.00	\$3.60	\$4.00

Economy One Man Cross Cut Saw No. 090



Tuttle tooth. Hardwood handle, easy grip.

Length—feet	3	3½	4
Price	\$2.00	\$2.25	\$2.60

No. 331--Tuttle Tooth

Most popular medium priced 2 man cross cut saw on the market. Made of high grade special steel.

Price 5 ft. \$4.75
5½ ft. 5.25

No. 379 General Utility 2 Man Saw

Price 5 ft. \$2.75
5½ ft. 3.00



Cross Cut Saw Handles

9½" long of selected hardwood. Loop is of high tensile strength, cold drawn steel.

Price 50c per pair.

"Last Word" Hand Saw No. 58



A guaranteed moderately priced straight back saw for general use. New style easy grip handle.

Length 26" 7 or 8 point Price \$1.80

No. 41 Tree Pruner



A six point hand saw tooth with wide set, bevel filed.

Length 26" Price \$3.65

No. 13 Curved Pruner



The blade is peg tooth of uniform temper, noted for its edge holding qualities.

Length 14" Price \$1.25

No. 3 Duplex Pruner



One edge for extra heavy coarse work. Fine teeth on opposite edge for finer cutting. The handle is of well seasoned apple wood.

Length 20" Price \$1.50

No. 11 Tapered Pruner



Frame is made of high grade crucible steel ¾" wide. Blade can be adjusted to any angle.

Length 18" Price \$1.75

No. 16 "AAA" Pole Tree Pruner



Fitted with peg teeth and fastened to casting with bolt and wing nuts. The blade is adjustable to cut at any angle.

Length 16" Price \$2.00

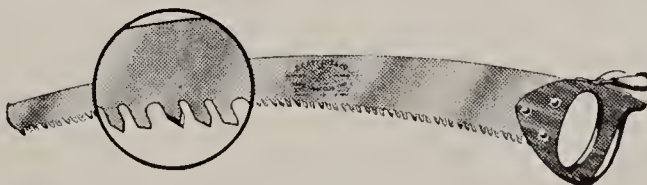
No. 40 Tuttle Tooth Pruner



Made of high grade special steel. Teeth hold their edge longer due to extra fine temper. Large and roomy grip reinforced with dowel pin making it rigid.

Length 24" Price \$2.50

Utility Speed Pruner No. 14



The curve in this pruner gives correct stroke for an easy full cut. Diamond point teeth and raker quickly cleans the cut.

Length 26" Price \$3.25

Pruning Shear No. 100



The long cutting blade is made of high grade alloy steel, taper ground to a keen knife edge with a "Shear Cut" movement.

Price \$1.75

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Seed and Plant Tables

Quantity of Seeds Required to Plant One Acre

Asparagus—1 oz. for 500 plants	1	lb.
Barley	2	bu.
Beans, Dwarf, 1 qt. for 100 ft. of drill	1-1½	bu.
Beans, Pole, 1 qt. for 200 hills	½ to ¾	bu.
Beet, Garden, 1 oz. for 75 ft. of drill	6	lbs.
Beet Mangel, 1 oz. for 75 ft. of drill	5	lbs.
Buckwheat	1	bu.
Cabbage, 1 oz. for 3,000 plants	½	lb.
Carrot, 1 oz. for 150 ft. of drill	2½-3	lbs.
Cauliflower, 1 oz. for 3,000 plants	5	oz.
Celery, 1 oz. for 4,000 plants	4-8	oz.
Clover, Alsike or White Dutch	8-10	lbs.
Clover, Medium Red	10-15	lbs.
Corn, Field (Hills)	¼ to ½	bu.
Corn, Field (Drills)	1-1½	bu.
Corn, Sweet, 1 qt. for 200 hills	8	qts.
Cucumber, 1 oz. for 50 hills	2-3	lbs.
Fesque Chewings	30	lbs.
Grass, Kentucky Blue	1½-2	bu.
Grass, Rye	1-1½	bu.
Grass, Mixed Lawn	3-4	bu.
Grass, Orchard	1½-2	bu.
Lettuce, 1 oz. for 150 ft. of drill	3	lbs.
Melon, Musk, 1 oz. for 80 hills	3	lbs.
Melon, Water, 1 oz. for 50 hills	4	lbs.
Millet, Golden	¾-1	bu.
Millet, Hungarian	¾-1	bu.
Millet, Japanese	½ to ¾	bu.
Oats	2-2½	bu.
Onion Seed, 1 oz. for 200 ft. of drill	5	lbs.
Onion Seed for Sets	30-50	lbs.
Onion Sets—1 qt. for 20 ft. of drill	8	bu.
Parsnip, 1 oz. for 100 ft. of drill	4	lbs.
Parsley, 1 oz. for 200 ft. of drill	3	lbs.
Peas, Garden, 1 qt. for 60 ft. of drill	3	bu.
Peas, Field	2½	bu.
Potatoes	12	bu.
Pumpkin, 1 qt. for 200 hills	5	lbs.
Radish, 1 oz. for 100 ft. of drill	10	lbs.
Red Top, Unhulled	2-3	bu.
Red Top, Recleaned	15	lbs.
Rye	2	bu.
Salsify, 1 oz. for 100 ft. of drill	8	lbs.
Squash, Summer, 1 oz. for 30 hills	2	lbs.
Squash, Winter, 1 oz. for 10 hills	2	lbs.
Timothy	¼ to ½	bu.
Tomato, 1 oz. for 3,000 plants	3	oz.
Tobacco, 1 oz. for 5,000 plants	2	oz.
Turnip, 1 oz. for 200 ft. of drill	1-3	lbs.

Weights of Seeds

	Lbs. per Bu.
Alfalfa	60
Barley	48
Blue Grass	14
Buckwheat	48
Clover, Alsike, Crimson, Red, White	60
Corn, Field	56
Fesque Chewings	24
Millet, Common	48
Millet, Hungarian	48
Millet, Japanese	32
Oats	32
Orchard Grass	14
Peas, Canada Field	60
Rape	60
Red Top, Unhulled	14
Red Top, Recleaned	35
Rye	56
Soy Beans	60
Sudan Grass	50
Timothy	45
Vetch	60
Wheat	60

AVERAGE TIME REQUIRED FOR GARDEN SEEDS TO GERMINATE

	Days		Days
Beans	7-10	Lettuce	6- 8
Beets	7-10	Onion	7-10
Cabbage	4- 8	Parsley	15-21
Carrot	12-18	Peas	6-10
Cauliflower	4- 8	Parsnip	10-20
Celery	10-20	Pepper	9-14
Corn	5- 8	Radish	4- 6
Cucumber	6-10	Salsify	7-12
Endive	5-10	Tomato	10-14
Kale	5- 7	Turnip	4- 8

MATURITY TABLE

Beans, table use	50 to 65 days
Beets, table use	60 to 70 days
Cabbages, early for cutting	90 to 100 days
Cabbages, late for cutting	100 to 120 days
Carrots, table use	60 to 70 days
Celery, table use	120 to 140 days
Sweet Corn, table use	85 to 100 days
Cucumbers, table use	65 to 70 days
Lettuce, table use	40 to 50 days
Melons, table use	85 to 100 days
Onions for Storage	90 to 120 days
Peas, table use	50 to 70 days
Radishes, table use	20 to 45 days
Tomatoes, table use	90 to 100 days
Turnips for Storage	65 to 90 days

NUMBER OF PLANTS REQUIRED TO PLANT AN ACRE AT GIVEN DISTANCES

Dist. apart	No. Plants	Dist. apart	No. Plants
12 x 1 in.....	522,720	36 x 36 in.....	4,840
12 x 3 in.....	174,240	42 x 12 in.....	12,446
12 x 12 in.....	43,560	42 x 24 in.....	6,223
16 x 1 in.....	392,040	42 x 36 in.....	4,148
18 x 1 in.....	348,480	48 x 12 in.....	10,890
18 x 3 in.....	116,160	48 x 19 in.....	7,790
18 x 12 in.....	29,040	48 x 24 in.....	5,445
18 x 18 in.....	19,360	48 x 30 in.....	4,356
20 x 1 in.....	313,635	48 x 36 in.....	3,630
20 x 20 in.....	15,681	48 x 48 in.....	2,723
24 x 1 in.....	261,360	60 x 36 in.....	2,901
24 x 18 in.....	15,520	60 x 48 in.....	2,178
24 x 24 in.....	10,890	60 x 60 in.....	1,743
30 x 1 in.....	209,088	8 x 1 ft.....	5,445
30 x 6 in.....	34,848	8 x 3 ft.....	1,815
30 x 12 in.....	17,424	8 x 8 ft.....	680
30 x 16 in.....	13,068	10 x 1 ft.....	4,356
30 x 20 in.....	10,454	10 x 6 ft.....	726
30 x 24 in.....	8,712	10 x 10 ft.....	435
30 x 30 in.....	6,970	12 x 1 ft.....	3,630
36 x 3 in.....	58,080	12 x 5 ft.....	736
36 x 12 in.....	14,520	12 x 12 ft.....	302
36 x 18 in.....	9,680	16 x 1 ft.....	2,722
36 x 24 in.....	7,260	16 x 16 ft.....	170

TABLE TO ASSIST FARMERS AND GARDENERS IN MAKING ACCURATE ESTIMATE OF THE AMOUNT OF LAND IN DIFFERENT FIELDS UNDER CULTIVATION

10 rods x 16 rods equal	1 acre
8 rods x 20 rods equal	1 acre
5 rods x 32 rods equal	1 acre
4 rods x 40 rods equal	1 acre
5 yards x 968 yard equal	1 acre
10 yards x 484 yards equal	1 acre
40 yards x 121 yards equal	1 acre
209 feet x 209 feet equal	1 acre
200 feet x 108.9 feet equal	½ acre
100 feet x 145.2 feet equal	1/3 acre
100 feet x 108.9 feet equal	¼ acre

